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inDVR400RT Series Recorders

Quick GUIDE Book

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inDVRL400RT Series

Digital Video Recorder

Quick Guide

This manual is to help you set up your DVR in a basic manner, and playback or remote access your DVR. Please see the User Manual on included CD for more detailed instructions.

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1. Important Safeguards and Warnings

- Don't place heavy objects on the DVR. Avoid dropping or striking the DVR.
- Keep the DVR in a normal room environment, between -10°C ~ +40°C, away from any direct heat source like direct sun light. Please do not install the DVR in a damp, smoky, or dusty environment. Do not let solids or liquids fall into or infiltrate the DVR.
- Please install the DVR on a flat surface.
- Use within the power and surge protection rating.
- Don't disassemble or try to repair the DVR by yourself. Attempts to do so will void manufacturer's warranty!
- To avoid HDD damage, do not move the DVR when in operation.

2. Package Contents

Your DVR package should come with the following items:

- DVR
- Remote Control
- Power Adapter and Power Cord
- Installation CD (with full manual and DVR software)
- This Quick Guide
- Mouse and USB Drive
- HDD Installation and Format Quick Guide

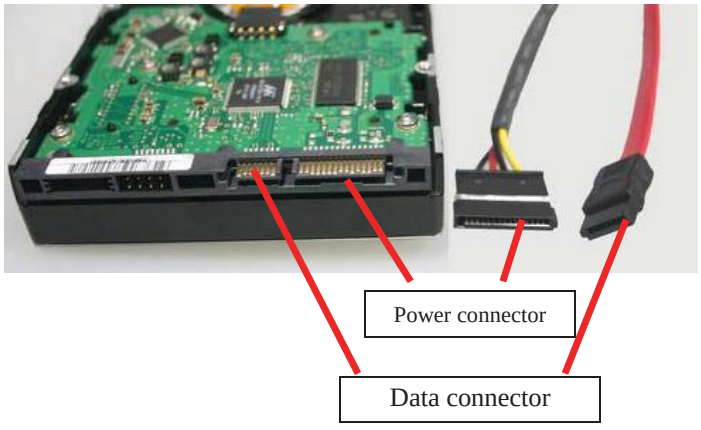
3. Hard Disk Installation if not pre-installed

Your HDD needs to be installed before you can start recording. Some DVRs come with pre-installed hard drive. If so, please check that the HDD has been formatted (7.4 HDD Management). Otherwise, please install HDD as following:

1) Open case by removing screws from back and sides of DVR.

2) Please connect the HDD in the standard way, screwing the HDD into the HDD brackets or DVR base. All necessary cables are delivered with the DVR. Use instructions that came with the hard drive for exact wiring and installation. Please connect the power cable to the appropriate socket, and the data cable to its corresponding connector.

3) Close case and re-screw the screws to secure.



Please format the HDD before first use. (7.4 HDD Management).

4. Front Panel

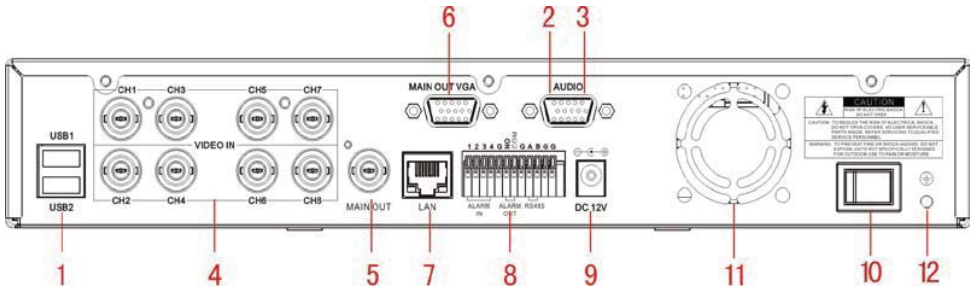
（Some products have this function, please take actual machine mode as quasi）

Type	Name	Introduction
Control Button	▲▼◀▶	Use arrow buttons to move among the menu items.
Enter	↵	Press the "Enter (↵)" key to confirm your choice. On live view the "↵" key functions as a PTZ control key.
Menu/Exit		Access tool bar/Hide tool bar/Exit menu/Exit sub menu
Rewind	◄◄	Rewind video during playback；
Play/Pause	▶/‖	Opens video search and playback menu. When the playback mode is activated, press this button to play/pause playback.
Stop	■	Stop playback
Fast Forward	►►	Fast forward video during playback
REC	●	Start or Stop manual recording.
Channel Selecting Button(4CH/8CH)	、	Using these buttons you can choose to output video on your monitor either as a full-screen view of each of the cameras individually (Channels 1 through 4/*8 depending on the model), or from all Channels simultaneously (/).
Channel Selecting Button(16CH)	Number 0~9 Buttons/ 、	Using the number buttons you can choose to display video on your monitor either as a full-screen view of each of the cameras individually (Channels 1 through 9), or you can combine button " " with other buttons to select channels among Channel 10 and Channel 16. Pressing the button "" to switch display modes.
Mute ON/Mute Off		Turn the sound on or off.
Spot View		Using this button to enable auto sequencing.
Power Off		Turn off the DVR.
LEDs	Power LED/REC LED/ Net LED	LED lights indicate your connection to the power supply, recording status and net status.

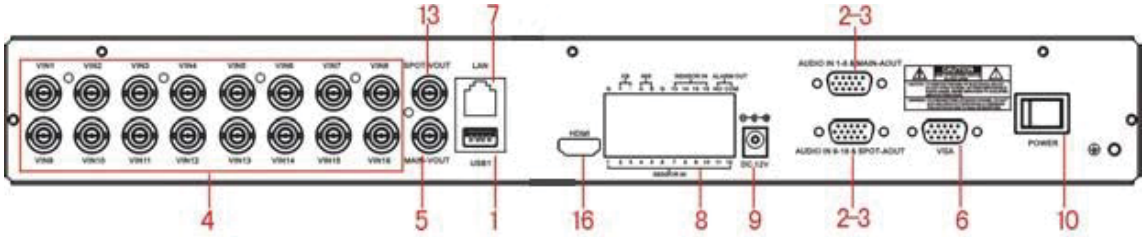
Note: On live view press the button or or numerical button ten times when there is no tool bar, this will switch the main menu between CVBS video output and VGA video output.

5. Rear Panel(please take actual machine model as quasi)

8CH：



16 CH：



1. USB connectors

Use these USB ports to connect the mouse and backup devices (flash drive, DVD recorder).

Note: On some models, the USB port is on the side panel or on the front panel.

2. Audio Output Connector---- (optional) （Please take actual machine model as quasi）

1 channel audio output, for connecting speakers (8ch/16ch-DB9)

Note: There are two video output connectors for 16 CH and there are the same as each other.

3. Audio Input Connectors (AUDIO IN 1-8/1-16) （lease take actual machine model as quasi）

8/16 channels audio input, for connecting audio signal (8ch/16ch-DB9)

4. Video Input Connectors (1-8/1-16)

8/16 channels video input, for connecting analog video signal input, BNC (1Vp-p, 75Ω)

5. Video Output Connector

Video output for connecting monitor or TV, BNC (1Vp-p, 75Ω)

6. VGA Connector

For connecting VGA/LCD monitor

7. Ethernet Connector

RJ-45 10/100 Base-T Ethernet network

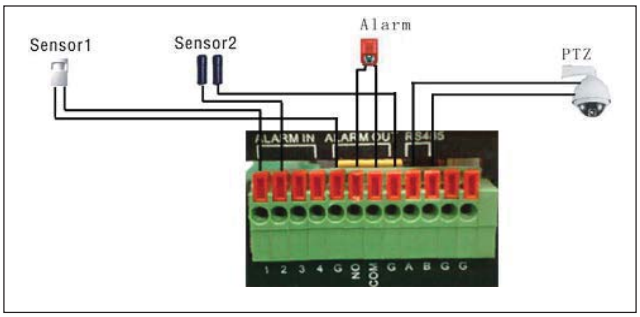
8. Alarm Input Connectors (8ch-ALARM IN 1-4/16ch-Alarm in 1-16)

For connecting to external sensor device

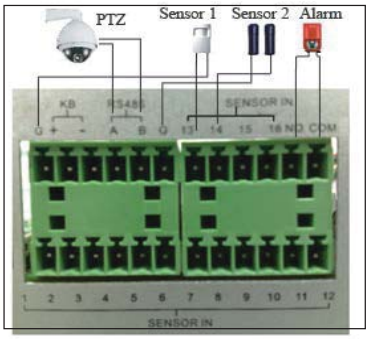
Each alarm has one input pin on the Terminal Block of the rear panel.

Connect positive (+) output pins of the device to the input slots (Alarm In) on the DVR terminal block (1 -4/1-16).

Connect ground (-) output pins of the device to the DVR Ground slots (G). Multiple devices can be connected to one ground slot.



8CH



16CH

Alarm Output Connectors (pin NO-COM)
For connecting to external alarm device
RS-485 Connector (pin A-B)
For connecting PTZ camera control

9. Power Input Socket (12V DC)
10. Power Switch
11. Cooling fan
12. Ground – Ground the machine if necessary
13. Spot Video output (16ch)
16. HDMI Video Output(16Ch)
17. PTZ ---- (optional)

6. Remote Controller

The functions of remote keys are as the same as front panel. Detail introduction please refer to section **4 Front Panel.**

7. Basic Operation

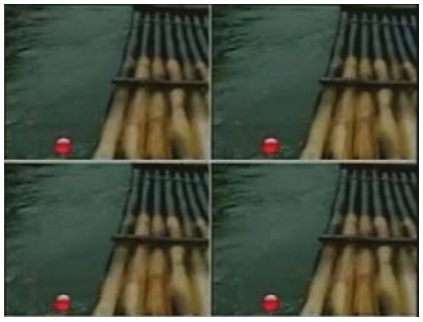
Note: During configuration, press button to restore to default setting, press button to save parameter, the parameter will take effect after clicking button.

7.1 Login System

In live view, press the button "" twice or double-click right key of mouse in live view to display the tool bar, the login window will appear if the password is enabled. You can fill in user name and password to login.

Note: 1. The default password for Admin is "888888" and default password for user1 is "666666".

2. The Device ID is used for connecting the IE interface. For detail operation please reference appendix 9 of the detail guide CD.



7.2 Live View

Displayed on the live screen are the real time images, name and state of each channel. Channel icons indicate the following:

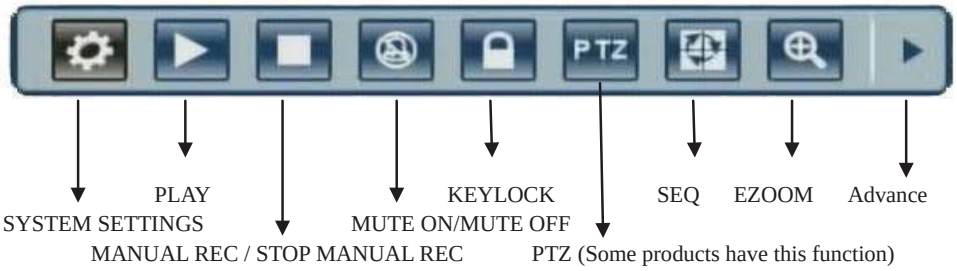
Icon indicates that the channel has detected motion in the motion detection mode.

Icon indicates that the channel has detected sensor alarm in the alarm mode.
● Red dot indicates that the channel is running in the mode of recording.

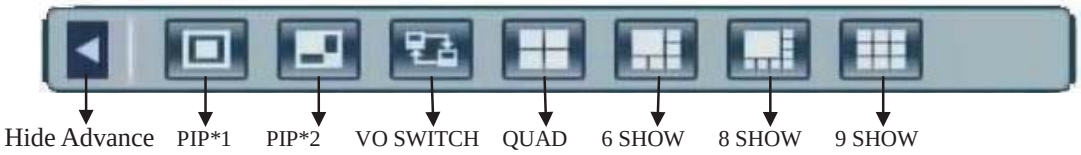
7.3 Status and Tool Bar(Please take actual machine model as quasi)

1) In live view, press the button "" once or click right key of mouse on live view to display status bar, it will appear the status bar as following.

2) In live view, press the button "" twice or double-click right key of mouse on live view to display tools bar if password is disabled. When password is available, you can see it after login.



Click the "ADVANCE" button and the screen will display the following figure:



7.4 HDD Management

If you have not yet installed a hard disk drive HDD into the device, or the device didn't read the HDD, or a new HDD hasn't been formatted, or there is no space of the HDD to record, it will display an icon " " in the video preview interface. You must format the HDD in the DVR before first using. The steps as follows: System settings > SYSTEM > HDD management > format.

7.5 Record Setting

Click [Tool Bar→ System settings → Record] to enter [Record] menu. You can set quality, resolution, frame rate, pack time and record mode. There are three record modes: Manual Record, Always and Schedule. Always record mode will record with every channel all the time. Frame Rate: It is possible to adjust each channel frame rate independently. Real-time recording is considered 25 frames per second (fps) for PAL and 30fps for NTSC.

Depending on TV system, for 8CH the maximum frame rate is either 200 (PAL) or 240 (NTSC) fps in CIF resolution, 100 (PAL)/120(NTSC) fps in HD1 resolution, and 50 (PAL)/60(NTSC) fps in D1 resolution. For 16CH the maximum frame rate is either 400 (PAL) or 480 (NTSC) fps in CIF resolution, 200 (PAL)/240(NTSC) fps in HD1 resolution, and 100 (PAL) / 120 (NTSC) fps in D1 resolution.
Please note that the recording frame rate limit varies depending upon the recording resolution selected. Even though you may set the recording frame rate here, the system will automatically downgrade the recording frame rate if it exceeds machine limitations.
Resolution: The recording resolution has three options: D1、HD1 and CIF resolution. Standard Quality TV is equivalent to D1 quality. The resolution of each channel for recording can be adjusted independently.

7.5.1 Manual Recording

Manual recording is useful for times when you want to immediately record something on screen. To turn on manual recording, click [Tool Bar→ Manual Record]or hit the REC button on the front panel or the remote control. A red button will appear in the lower left hand corner. To turn off the manual recording, press the REC button again.

7.5.2 Schedule Recording

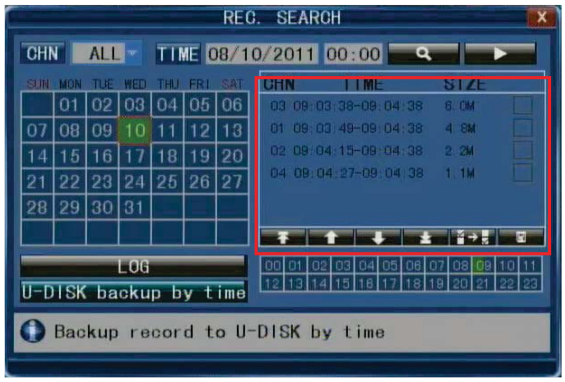
It allows you to create a schedule for recording tasks throughout the week, so that only certain selected events are actually recorded on the HDD.
CHANNEL: You can select all channels or just one channel.
There are five modes for recording: MD record，NORMAL record，NO RECORD，I/O record and MD,I/O record. Different colors signify different recording modes: Orange means MD record ， green means normal record ， grounding means no record ,deep red means I/O record and red means MD，I/O record**.**
After you complete the schedule you activate it by clicking the [ ] button.

7.6 Video Playback

Click [Tool Bar→ System settings → Play] to enter [Playback] menu.
Method 1: playback by date
Date input: Adjust the date and time to match the recording you are searching for: first, select “TIME” and press “Enter” to input numbers directly to set the year, month, and date; next, input the time in the next field, and click “►”. A window that reads “CHOOSE PLAYBACK CHN” (see the following right or above) will automatically appear; in this window, choose channel of the video to be played, and click “►”. If only one channel is selected, the video from that channel will be displayed in full-screen mode. If two or more channels are selected, the videos from the selected channels will be displayed simultaneously over four frames.
Method 2: playback by recording status:
Input the date, click【search】and you can see the recording status on this date.

7.7 File Back Up

Click [Tool Bar→ Play → Search] to enter file list. In this interface, you can back up video file. Click [ ]、[ ]、[ ] and [ ] to switch page, select the video file you want to back up and click [ ] to back up the video file to USB disk.

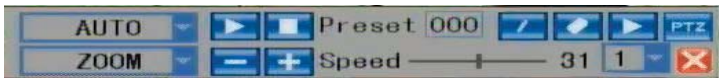


U-DISK backup by time

Move the cursor to 【►】(the icon will be highlighted when selected) and left click to enter into the [REC. SEARCH] setting interface or press the button [►/‖] to enter into the setting interface, move the cursor to option "U-DISK backup by time" and press the [ENTER] button or left click to access the U-DISK backup by time Search(as shown in the figure below).

7.8 PTZ Control

Double-right click to enter toolbar menu under the real-time monitoring frame, and choose "PTZ" or press the "ENTER" key to enter the control frame.



In the PTZ control frame, press the [PTZ] button or right click, and a "" icon will appear in the upper right corner of the screen.

[PTZ Direction Control] From the PTZ control frame, move the mouse to the upper, lower, left and right locations of the current frame, and this time, left-click and hold the mouse. Enter the control area of the corresponding location.

In " " mode, use the mouse or the [▲] [▼] [◄] [►] buttons on the remote control or the DVR's front panel to control the direction of the speed dome. The "rewind" (◄◄) and "fast forward" (►►) buttons can also be used to adjust magnification.

[SPEED] Regulate the rotating step length of the PTZ by using the slide bar. This function is mainly for the controlling the speed. The larger the value, the faster the rotational speed will be, with possible values ranging from 0~63(with a speed value of "0", the camera will not rotate).

[IRIS －、IRIS +] This regulates the diaphragm.
[FOCUS －、FOCUS+] This brings objects into focus finely.

[ZOOM －、ZOOM+] Pressing this causes the lens to zoom in and out. Magnification can be changed by using the mouse wheel under the current frame.

Note: You have to configure parameters before control Pan-Tilt-Zoom and you can access PTZ setting by clicking Tool Bar→ System Setting→ PTZ.

7.9 Network Settings

To connect the DVR to the internet, certain settings must be input into the DVR. To access your DVR from the internet, you will need either a Static IP from your internet service provider (ISP) or a router with Dynamic DNS (DDNS) capability and an account with an online DDNS service. This service is country specific, but in many countries, the manufacturer suggested service is http://www.dyndns.com. If the below is not clear, please contact your network administrator for help or consult the full DVR manual on the included CD.

Bring up the network settings menu via [Tool Bar→ System Setting → Network]. The four sub-menus are "network setup", "DDNS", "email" and "mobile".

On the menu of "network setup" to set up network type, including Static IP/ DHCP/PPPOE.

Static IP: If this is selected, please type in an IP address, subnet mask and gateway.

DHCP: If this is selected, a DHCP server should be set within the network. A dynamic IP address will be assigned automatically and displayed in the IP Address field.

UPNP**:** Universal plug and play. If you turn it off, you should manually mapped its port to get mapped IP address; if you turn it on, it will mapped DVR's ports automatically.

Note: You should turn on UPNP on your router before turning on UPNP on DVR.

MEDIA PORT: Transfers video data between client and device. Default value is 9000.

WEB PORT: Sets up the port of IE browser via HTTP. Default value is 8090.but model dependent.

SETUP PORT: This port is fixed and you can't modify it, the value is 8000.

DNS: Press [Enter] and input numbers for the net mask.

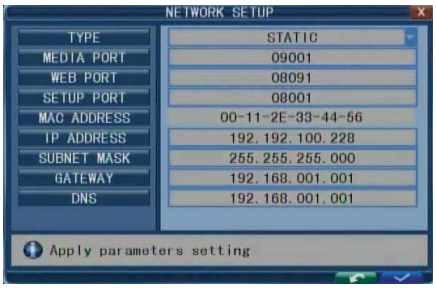
Mobile Port: Default value is 10510.

IP access: Including disable, forbidden, allow access.

8. Web Operation

1. Connect the DVR to the internet.

2. Make sure all the ActiveX controls for internet security on your PC are enabled. For I.E. this is through [Tools->Internet Options->Security]. **Also, see page 12-13 for Internet Explorer troubleshooting tips if your application fails to open. This is the AUTO ID section, but can be used to troubleshoot IE problems too.**



3. After finishing the aforementioned settings, open the IE browser, input http://192.168.0.X (192.168.0.X is is an example of the IP address. Confirm the correct address from the DVR network screen. For External public IP addresses, confirm the correct address from your router.) and confirm. The :P represents Web port number specified in the network setup. Default port number assigned is 8090. You must add the colon and port number to the IP address to connect to the DVR Then, please click "If your browser does not support the ActiveX to download, please click here", the network will download and install the control automatically.

After connecting to the internet, IE will automatically download the file to PC. After download, an interface will prompt you to login system.

After filling in right user name and password, you can see a monitor interface as picture shows.

Default user ID is: Admin (with all administrative privileges). Default password is: "888888".

USER LOGIN
USER ID:
PASSWORD:
NETWORK:
SUB STREAM
LOGIN
RESET

WEBSERVER
LIVE
REPLAY
REMOTE SETTING
LOCAL SETTING
LOGOUT
V2.3.0.0
PLAY CONTROL
Auto logout
min
SET
PTZ CONTROL
ZOOM
FOCUS
IRIS
PAN&TILT POS:
SET
CALL
CLEAR

10.Mobile Phone Support

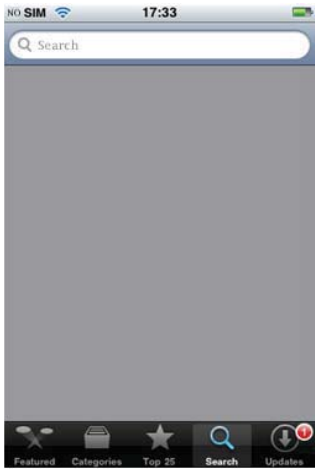
This DVR device can transmit live feed from the CCTV cameras to your mobile phone, so that you can have 'on the go' access to your surveillance system from virtually anywhere. To view, you must install a mobile operating system specific program into your mobile. The mobile programs are located on the included CD, or downloaded via iTunes for the iPhone. In iTunes, please search for "MobileEye+". Please see the instruction manual for your mobile to install the program. Currently, there are a limited number of phones that are supported: Windows CE Mobile, Nokia Symbian S60 3rd and 5th Edition OS, Google Android, BlackBerry OS 4.x+ and Apple iPhone.

Note:
1. Prior to using this feature, you should apply for an Internet connection service for your mobile phone, such as 3G or 2.5G. Please contact your mobile service provider for details.
2. You can only watch one live feed channel at a time with your mobile phone. Split mode and playback of recorded files is not available at the moment.

In the following example, we use the iPhone. The usage of other mobile programs is substantially similar. For more detailed instruction, please view full user manual on included CD.

1) MobileEye+ installation

Open iPhone App store " follows:



① Touch " " and search for "**MobileEye** +." It is a free application.

② Press " " and the following screen will appear.

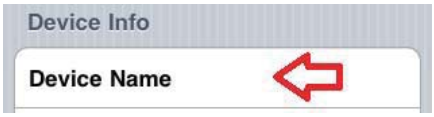
" Loading: this indicates that the "MobileEye +" software is downloading. When the " " process

bar displays a “ ”status, the MobileEye + software has finished installing.

Your personal account and password for the iTunes store will be necessary for download.
After download completion Waiting and the Loading, touch icon to open
This first example is using Mobile Eye+ and a known IP Address or Static Address:
Touch menu wheel at lower right

Touch on Add:

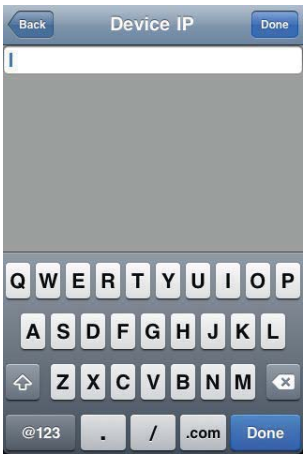
Touch on Device Name:



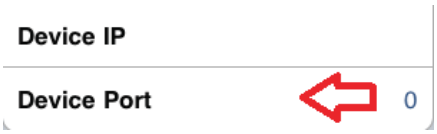
Touch to type Device Name, this can be anything you wish and then Done when complete:

Touch on Device IP:

Type in known IP address for your DVR and then Done when complete



Touch Device Port:



Type in port you have set in DVR and forwarded in router and Done when complete shown above. Default is 10510

Touch User Name:

Type in Admin (Capital A in Admin) and then Done

Touch Password:

Type in Password you have saved for Admin, it is 888888 by default, then press Done:

Touch on Device Channels and select the channel number accordingly to your unit:

Touch Save at the top right:

Always Start from your Device screen and touch the Blue arrow:

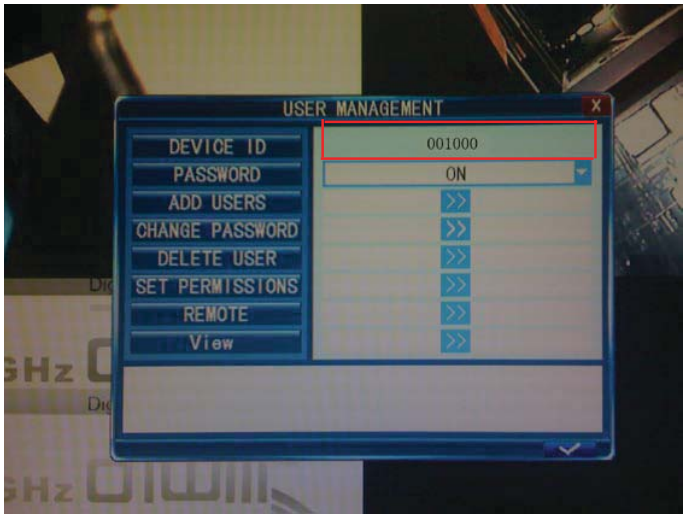
Touch Live Video:

Make sure you have done your port forwarding and after a few moments depending on bandwidth 4 channels of Live Video will appear: Refer to Users Guide for more detailed information.

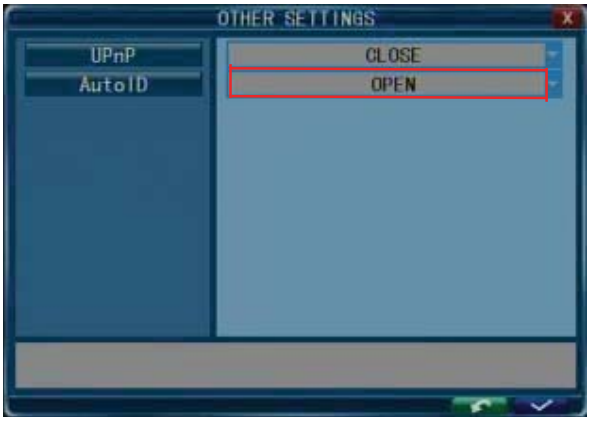
11.Remote Viewing with Auto ID

The Auto ID is used for connecting the DVR to an Internet browser interface. For detailed instructions, refer to the following instructions. .

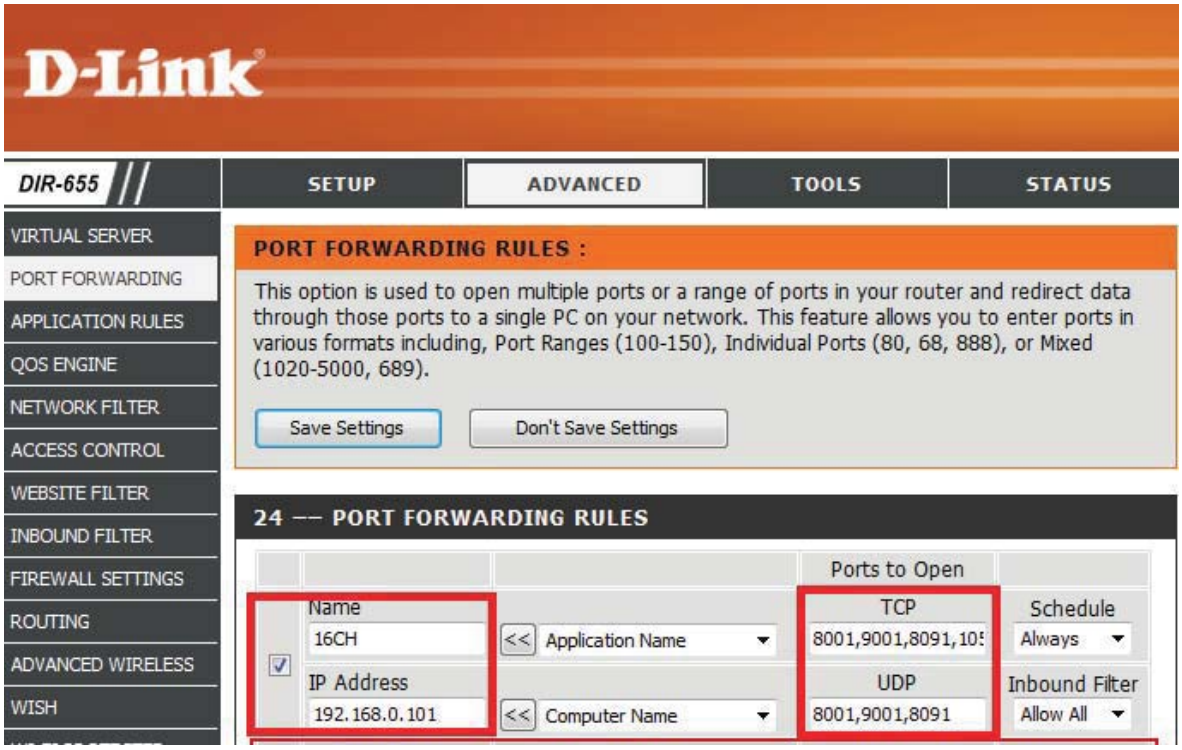
1. The ID number of each product is set in the factory. From the toolbar, click “System Setting”, and select “user”. The screen will display the user management menu, and the DVR’s ID number will appear at the top of the screen (as in the following illustration):



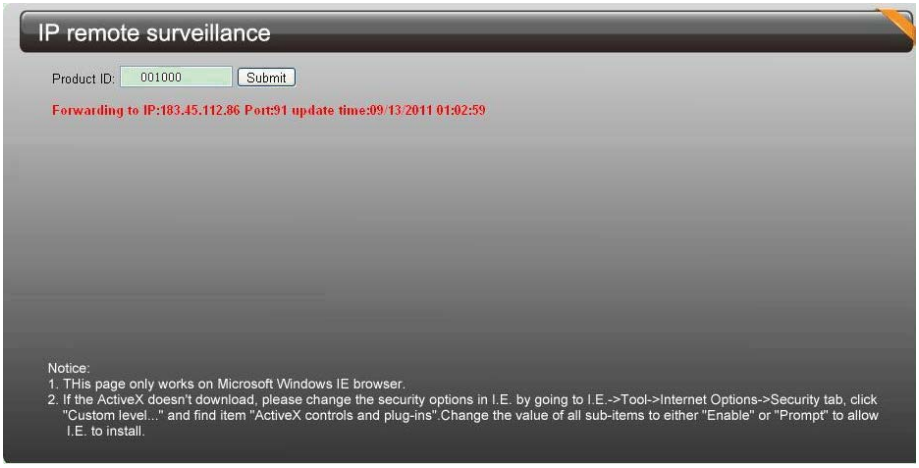
2. Then, open the main menu, click “Network”, then click “Other Settings” and select “Auto ID”, to access the “Auto ID” option



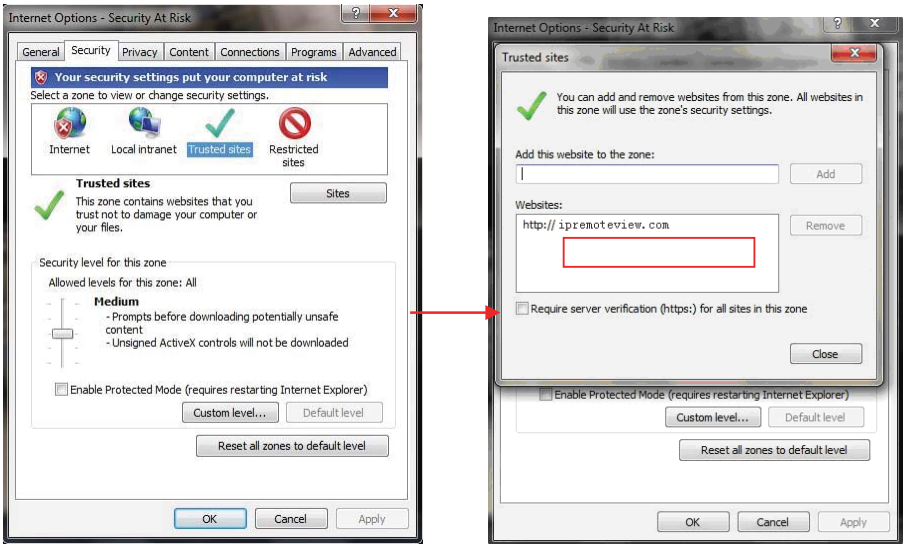
3. In order for the Auto ID function to work, you must have opened the correct ports and forwarded them to the DVR IP address on your LAN. Example of D-link router is below:



4. Once the network is connected, enter “http://www.ipremoteview.com” in the address field of the Internet browser. Then enter the DVR ID number into the “Product ID” field, as shown in the following screenshot.


IP remote surveillance
Product ID: 001000 Submit
Forwarding to IP:183.45.112.86 Port:91 update time:09/13/2011 01:02:59
Notice:
1. THis page only works on Microsoft Windows IE browser.
2. If the ActiveX doesn't download, please change the security options in I.E. by going to I.E.->Tool->Internet Options->Security tab, click "Custom level..." and find item "ActiveX controls and plug-ins".Change the value of all sub-items to either "Enable" or "Prompt" to allow I.E. to install.

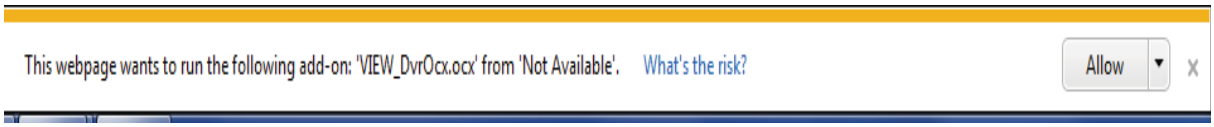
Note：If after following the preceding instructions the login page does not work or the Auto ID function fails, try the following steps to add the website to the zone:


Internet Options - Security At Risk
General Security Privacy Content Connections Programs Advanced
Your security settings put your computer at risk
Select a zone to view or change security settings.
Internet Local intranet Trusted sites Restricted sites
Trusted sites
This zone contains websites that you trust not to damage your computer or your files.
Sites
Security level for this zone
Allowed levels for this zone: All
Medium
- Prompts before downloading potentially unsafe content
- Unsigned ActiveX controls will not be downloaded
Enable Protected Mode (requires restarting Internet Explorer)
Custom level... Default level
Reset all zones to default level
OK Cancel Apply
Internet Options - Security At Risk
Trusted sites
You can add and remove websites from this zone. All websites in this zone will use the zone's security settings.
Add this website to the zone:
Add
Websites:
http:// ipremoteview.com
Remove
Require server verification (https:) for all sites in this zone
Close
Enable Protected Mode (requires restarting Internet Explorer)
Custom level... Default level
Reset all zones to default level
OK Cancel Apply

Pay attention to any pop-up blocks:

Click on Options for this site and Always Allow:

The page will refresh and you will need to enter your AUTO ID again and click Submit.
You will be redirected to the Main Page for DVR log in. These steps are typical for your initial installation and connection only. The page will ask you at the lower screen to run the.ocx, Click Allow:



After clicking Allow, if using Internet Explorer 8 or above, you will need to click the Compatibility Mode at the top right of the screen:

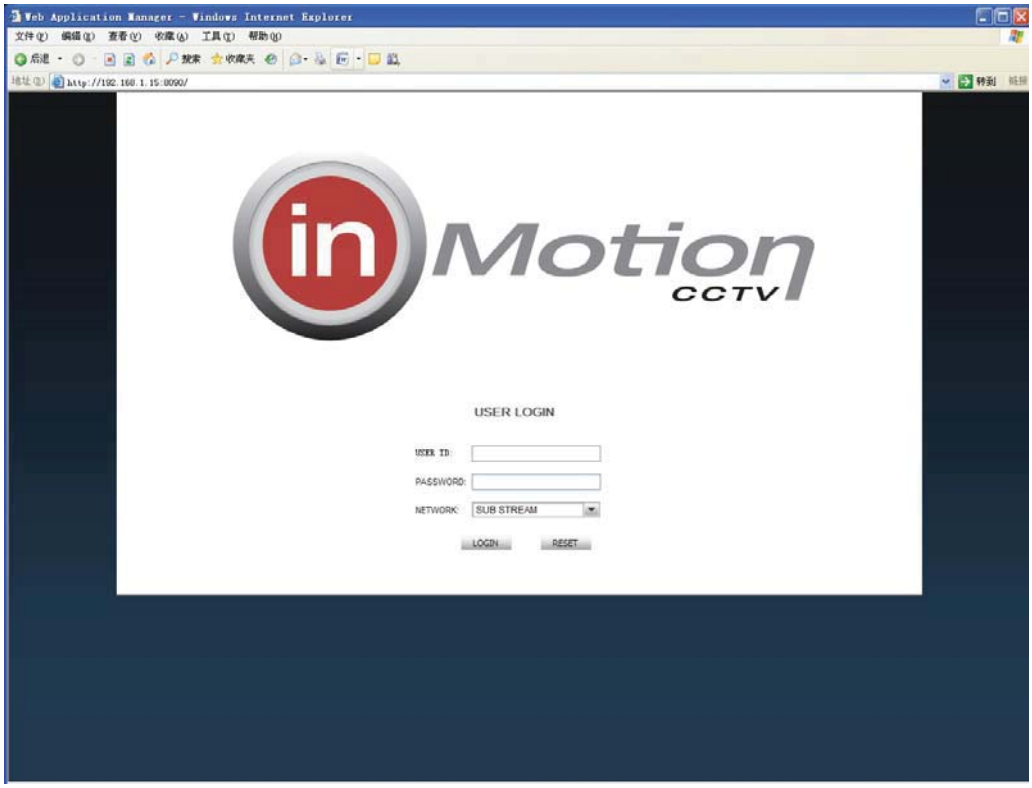
Compatibility View: websites designed for older browsers will often look better, and problems such as out-of-place menus, images, or text will be corrected.

Your PC will ask you to install the Active X component by JOUTEK ELECTRONICS. Click YES to install.

After a few moments, depending on download speed you will receive the inMotion login page: Type in your ID and Password to Connect: Default is Admin and 888888

(Capital A in Admin)

5. After the connection has been established, the Web Application Management (see the following figure) will appear:



inDVRL400RT Series

Digital Video Recorder

HDD Installation and Format Quick Guide

inDVRL408RTN / inDVRL408RTP / inDVRL416RTN / inDVRL416RTP

REV 7272012

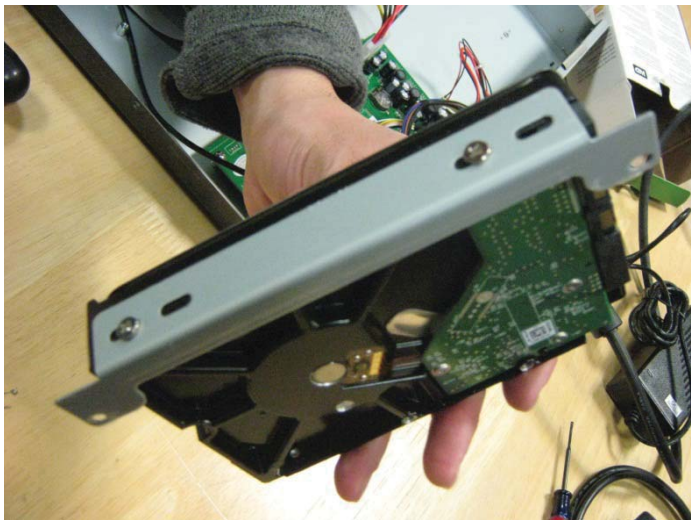
HDD Installation and Format Quick Guide

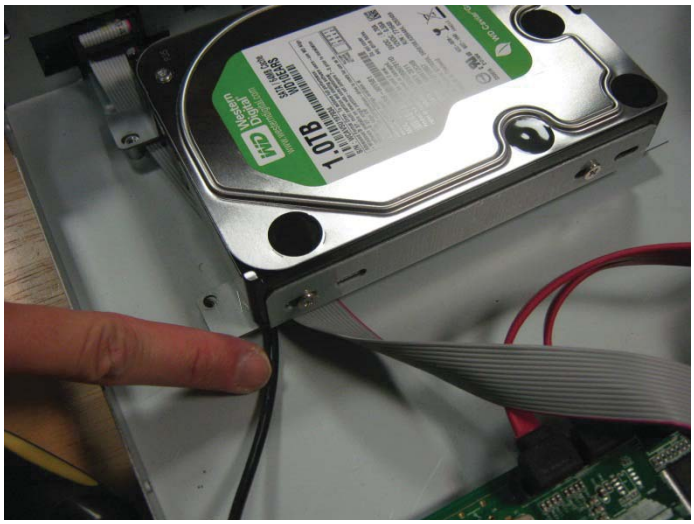
Use supplied: USB mouse, HDD screws, HDD Rail attachments and 12VDC Power Supply

You will need: Phillips Screwdriver, Monitor with VGA or Composite input and HDD (not supplied)

1. Remove screws from side and rear of the top panel if applicable. 4 screws are factory installed 2 on each side. 6 black screws remain in accessory package for top cover installation after HDD is installed.

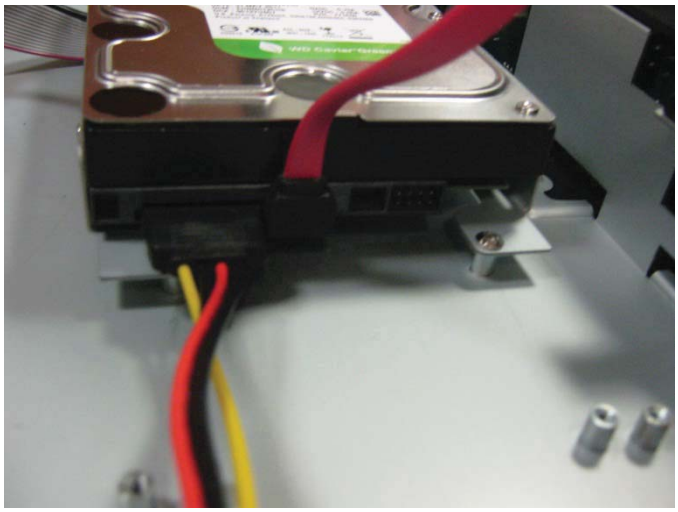
2. Find HDD rails and screws in accessories, attach to the sides of the HDD and then to the bottom panel of the DVR as shown: (Please visit www.inmotioncctv.com for approved HDD listing)





3. After tightening all screws to hold down your HDD, attach the provided power and SATA cables as shown below: (Always be cautious when handling your HDD, any shock, drop or mishandling can result in damage to the platter. See manufacturer warning recommendations)

*1TB Western Digital drive is shown as an example only.

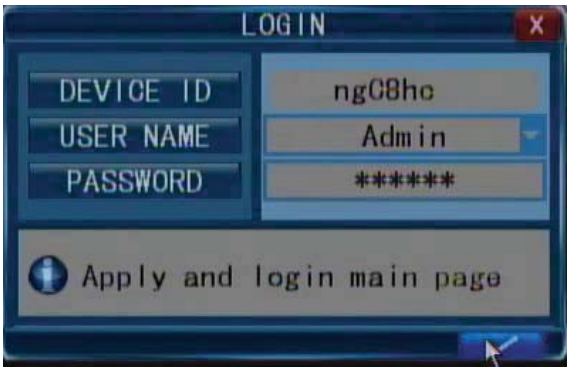


4. Put top cover back on and tighten outer black screws. Pay attention to all your cables, so they are not caught on any sides of the cover or HDD.
5. Attach the DVR with your monitor output; insert the USB mouse and Power on the DVR with supplied power supply.
6. After the DVR has powered up, right click twice to receive the LOGIN screen:

Log into the Admin Screen

Default Password: 888888

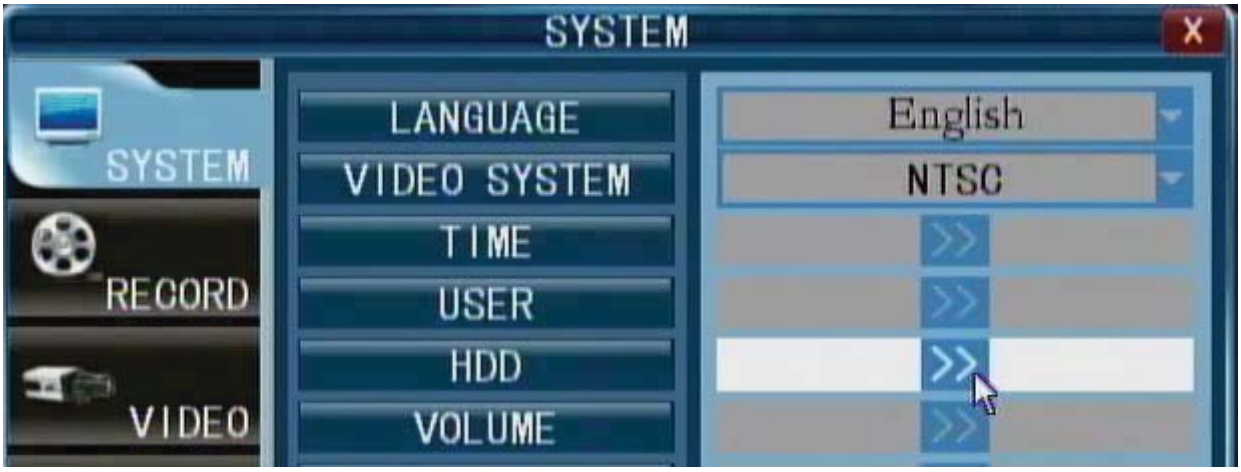
Click Enter



Click Blue Check mark to enter programming

Click Cog Wheel to access menu settings

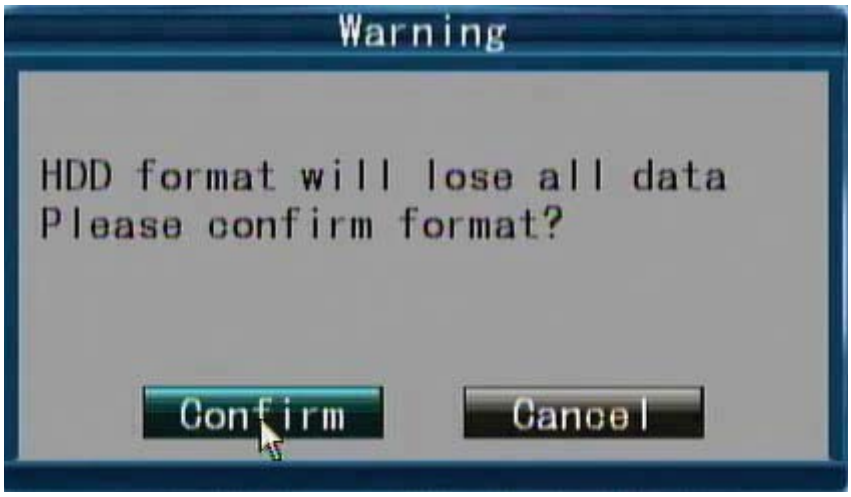
Click on the Arrows next to HDD in the SYSTEM menu:



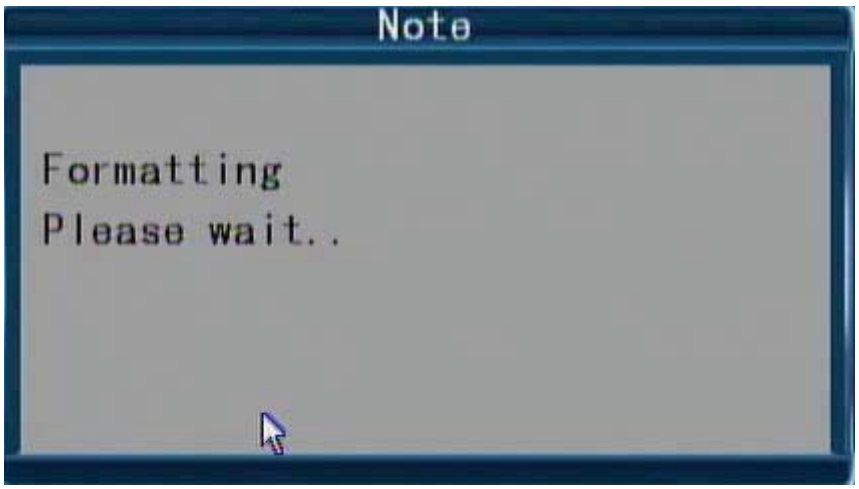
After your HDD is recognized, it will appear in the HDD MANAGEMENT menu. Click for a check next to it:

Next, click on FORMAT HDD icon:

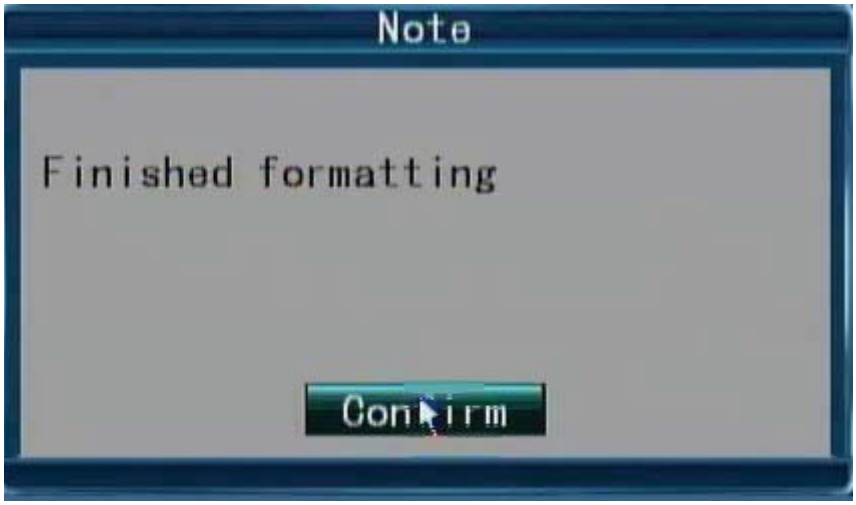
The inDVR will ask you to CONFIRM. Please remember all data will be erased if data exists. Click CONFIRM:



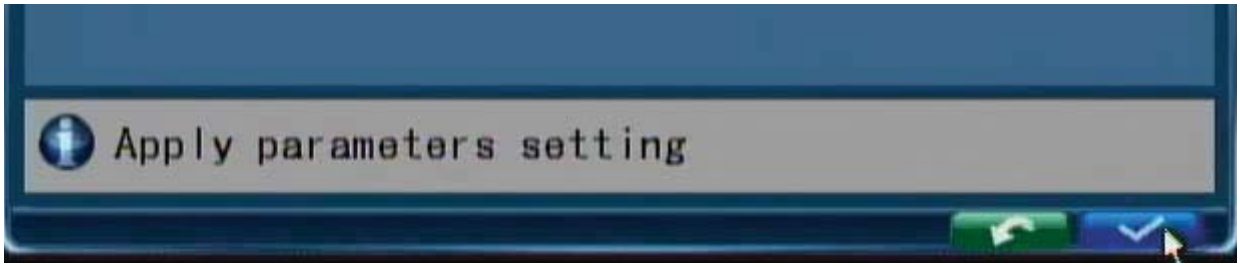
You will receive a Formatting message. This will take a few moments depending on storage sizes to format:



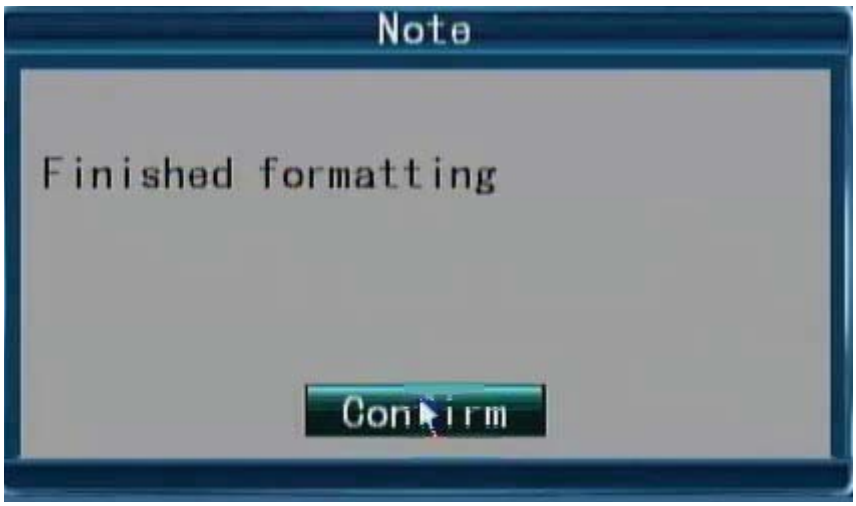
Click CONFIRM after complete:



Click the Blue Check at the lower right to APPLY:



Click on CONFIRM again:



Click the Red X to Exit HDD MANAGEMENT:

Click the Red X again to exit the SYSTEM MENU and return to the Live Screen:

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inMotion CCTV UK LTd. Genesis Centre · Innovation Way · Stoke on Trent · ST6 4BF · United Kindom ☏ 01783 366080
Website: www.inmotioncctv.com

inDVRL400RT Series Recorders

Backing up video to USB

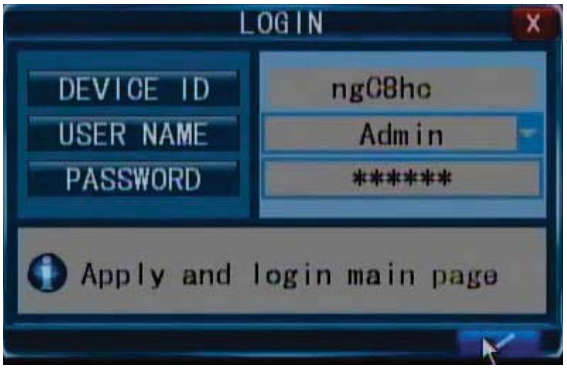
This guide will help you back up video to a USB.

Please review "Search and Playback Using Channel, Time and Date" or "General Search and Playback" to assist you in finding the proper times to load on your USB.

Log into the Admin Screen

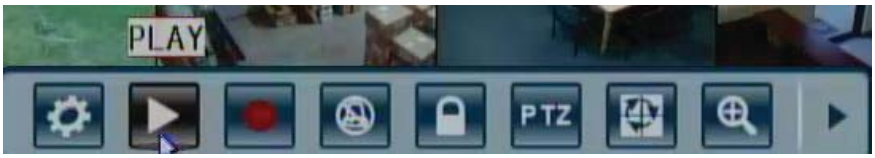
Default Password: 888888

Click Enter



Click Blue Check mark to enter programming

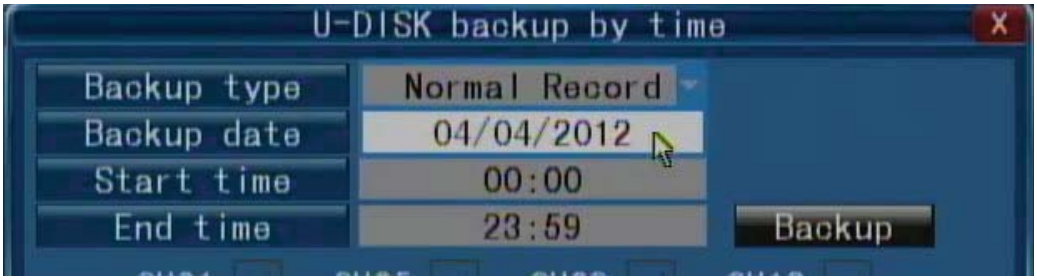
Click on Play Icon:



After identifying the proper video channel(s)and time to backup, click on the U-DISK backup by time icon:

Click on the dropdown arrow next to All Record. This is selected by default, you can also choose between Normal recording (Continuous) Motion Recording, and I/O which is Alarm Recordings:

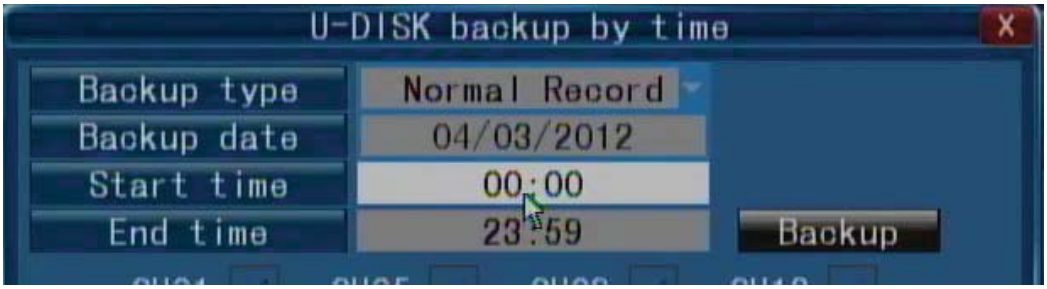
In this example, I will select Normal Record; now click in the date field to change the date:



Use the red arrows to move your selection and change the date:

Then click Enter:

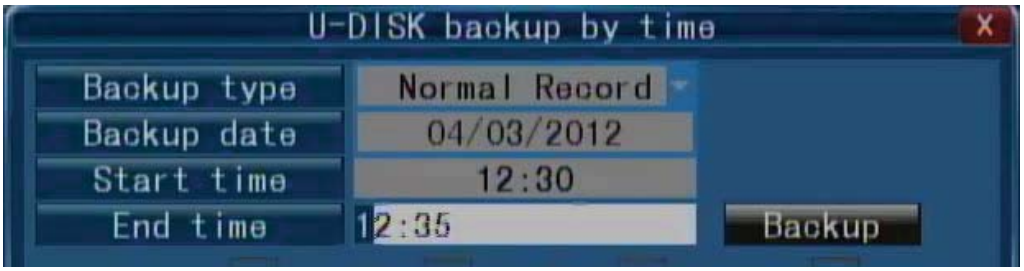
Now click in the Start time Field. This is where you want to start the backup time to your USB:



Use the red arrows to move, select your start time, and then click enter. I have used 12:30 in this example. A 24 hour clock is used to distinguish between am and pm.

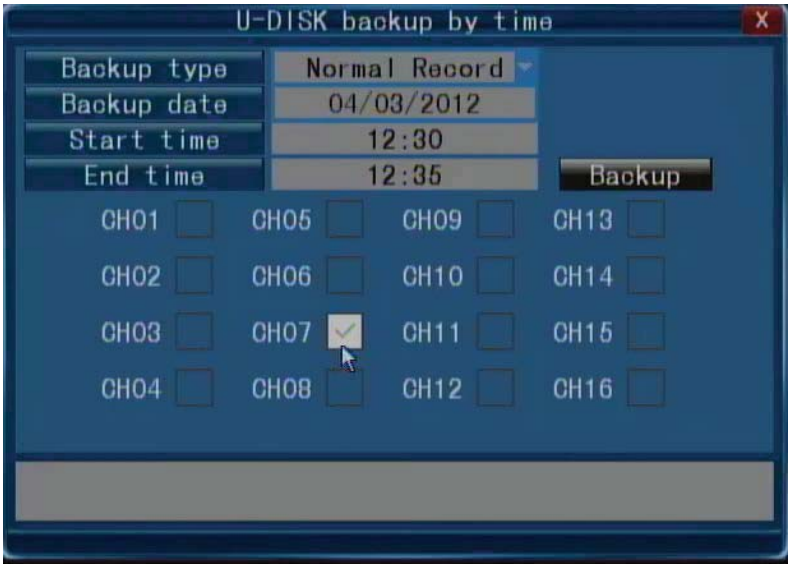
Now click in the End time Field. This is the end of the video you need on USB:

Move and change to the end time desired and click enter:



By default, all channels are selected for backup. Un-check any channels you do not wish to back up video from the previously selected Start and End time:

In this example, I need channel 7, on 04/03/2012, from 12:30 am to 12:35 am:

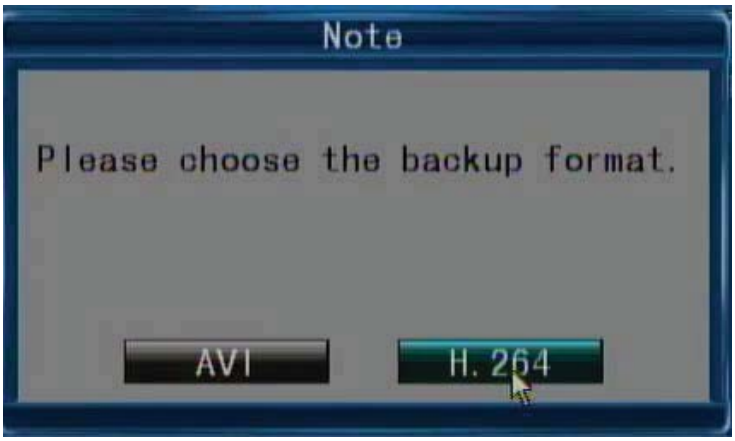


Now click the Backup icon:

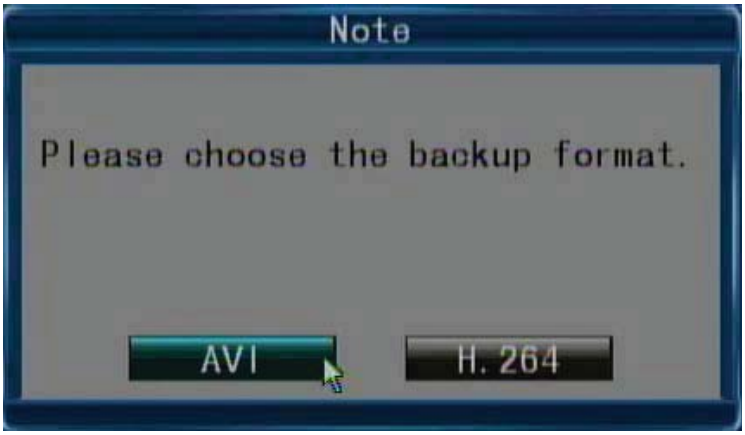
You will be asked to choose between two formats, AVI and H.264.

AVI is a video format which you should be able to watch using Windows Media, VLC or GOM Player*

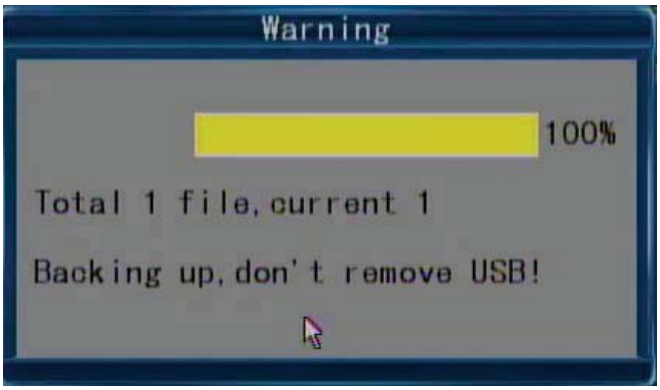
H.264 is a proprietary inMotion format which will need to be used with HS Player to be viewed. HS Player is on the disc that came with the DVR.

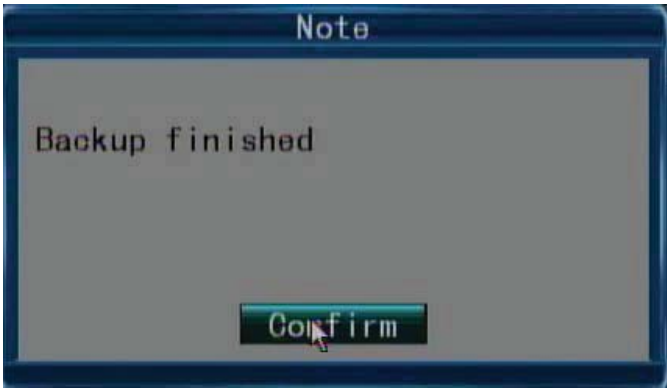


In this example, I have chosen AVI.

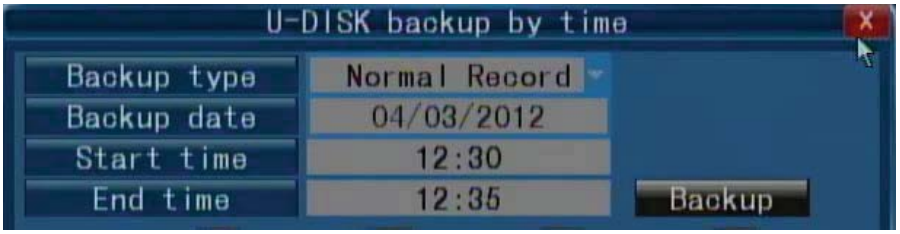


Please wait until the DVR lets you know the backup is finished and you confirm before you remove the USB. This will happen after the 100% screen:





After you confirm click the Red X in the backup screen:



And then again in the Play screen to go back to Live Video:

You are now read to remove your USB from the inDVR and play on your PC.

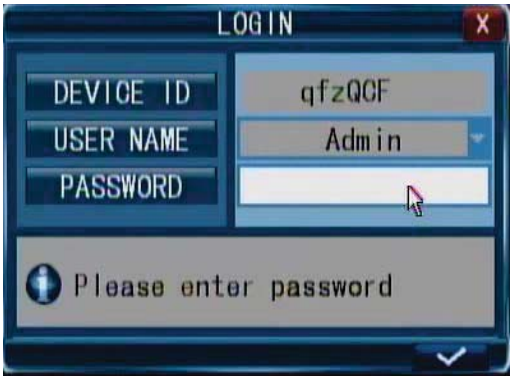
***Depending on age of your player, Windows Media for example, you may not have the codec to play the file. Make sure you have the latest updated Player by visiting the proper manufacturer's website.**

inDVRL400RT Series Recorders

Search and Playback Using Channel, Time and Date

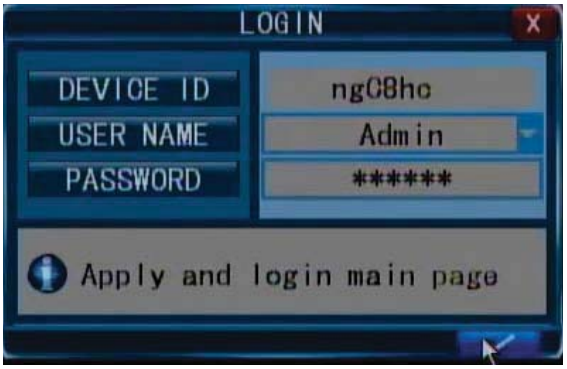
This guide will help you search and playback by time, date and specific channel (s).

Log into the Admin Screen



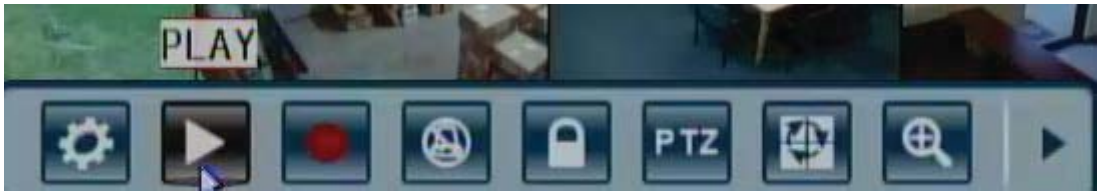
Default Password: 888888

Click Enter



Click Blue Check mark to enter programming

Click on Play Icon:



At top left, click on arrow next to ALL and select desired Camera number to begin. In this example Channel 7 will be used:

Click the Search icon:

After the DVR has completed the search process your calendar will display all days in which there is recording. In example shown, all days are green for normal/continuous recording. Other colors are; Orange if recording is in Motion Detection and Red for Alarm Inputs:

Double click on desired day to review in Calendar. I have selected the 21st in this example:

Click in the Hour area next to the Date Located in the TIME section up top:

Click on the Red Arrows to move the indicator and change the numbers according to your time desired:

In this example, I have selected 16:35 and now click on Enter:

Now click the Search icon at the top:

Then click the Play icon:

In case you may need to playback more than Channel 7, by default all cameras are selected. Please uncheck cameras you do not wish to view:

In this example, I will leave only Channel 7 selected and click the Play icon:

During the Playback screen, all playback functions are at the bottom including a digital zoom function.

After selecting digital zoom, right click and drag to create the area to zoom in.

Right click back out.

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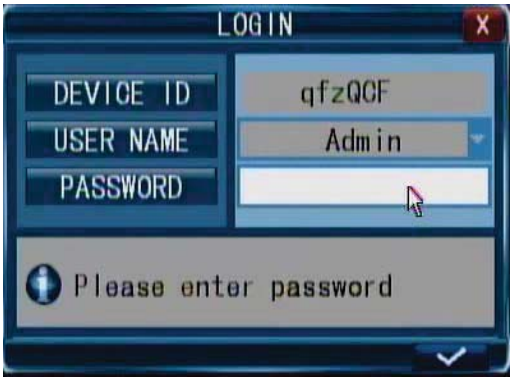
inMotion CCTV UK LTd. Genesis Centre · Innovation Way · Stoke on Trent · ST6 4BF · United Kindom ☏ +044-1783- 366080
Website: www.inmotioncctv.com

inDVRL400RT Series Recorder

How to send e-mail events from the DVR.

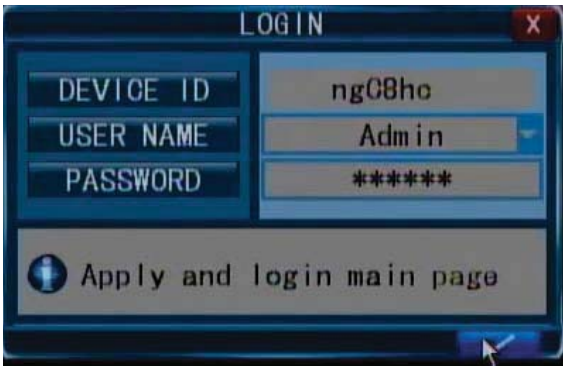
This guide will help you set up your DVR so you can send e-mails upon event activations by Motion Alarm or by Alarm Trigger.

Log into the Admin Screen



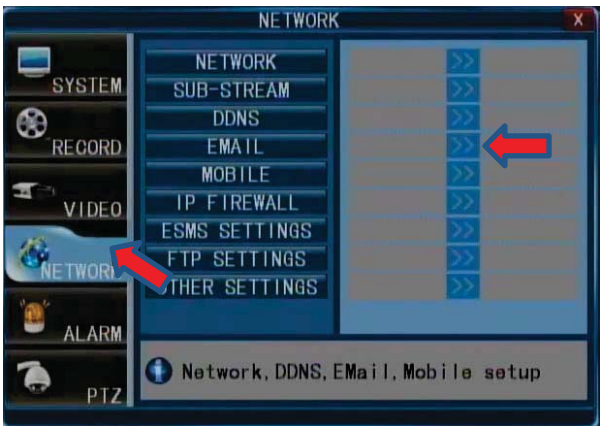
Default Password: 888888

Click Enter



Click Blue Check mark to enter programming

Click Cog Wheel to access menu settings



Click on network tab on the right then select the arrow key next to Email to access the Email set up menu.

Email: Select On to activate the EMAIL function

SSL: SSL is a security link transport protocol that can be used to encrypt information communicated over the Internet (including email) to prevent hackers from accessing the email communication or other information of users on a network, such as passwords.

Interval: This indicates the interval for sending email include; the options are: 5s, 10s, 30s, 1 minute and 3 minutes.

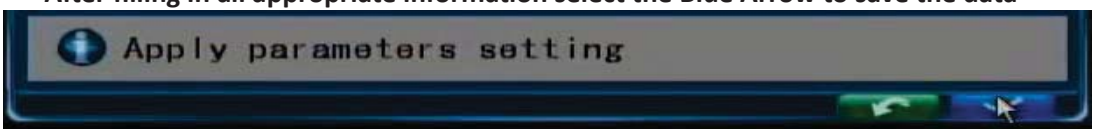
SMTP Port: This refers to the port of the SMTP server. Generally, the SMTP port number is “25”, but there are exceptions; for example, the SMTP port number of Gmail’s server is “465”.

SMTP: This indicates server address used by the DVR user.

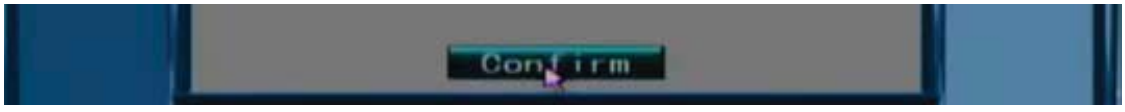
Sender: In this field, enter the sender’s email address. The email address should be consistent with the server being used. That is, if the sender’s email address is abc@gmail.com, the corresponding server should be “smtp.gmail.com”.

Receiver: In this field, enter the receiver’s email address (the email address being used to receive images transmitted from the DVR’s motion-detection alarms).

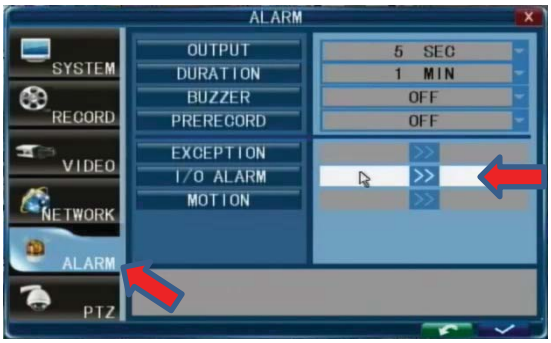
After filling in all appropriate information select the Blue Arrow to save the data



Select Confirm then close the e-mail setup window by selecting the



This completes the EMAIL setup now you will need to program the I/O alarm function



Select the Alarm tab at the left to access the alarm setup menu then select the arrow next to I/O alarm. Proceed to fill out information for each channel that will be set up.

CHANNEL: From this field, select the channel to be set up.

I/O ALARM: Each channel corresponds to an I/O status (see the following status explanations), which means that when an alarm is triggered, it will activate the corresponding channel to start alarm recording.

I/O status types:
N.O.: "Normally open": It means that in its normal state, the sensor is kept under constant low voltage. If the sensor voltage changes from low to high, then the alarm will be triggered.
N.C.: "Normally closed" (also referred to as "normally connected"): The normal state of the sensor is under constant high voltage. If the sensor voltage changes from high to low, then the alarm will be triggered.
OFF: Set the I/O to "Off" if external sensor alarms are not in use.

OUTPUT: **"√**" indicates that an alarm will sound if it had been triggered by sensor.

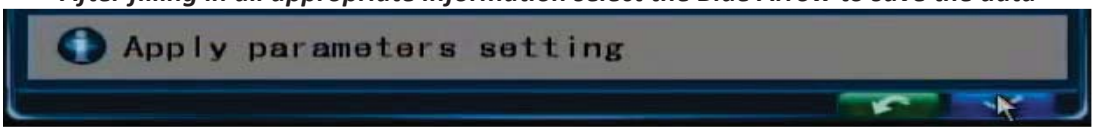
RECORD: **"√**" indicates that the relevant channel will record if it has been triggered by activity detected by the sensor.

BUZZER: **"√**" indicates that the buzzer will sound if it has been triggered by activity detected by the sensor.

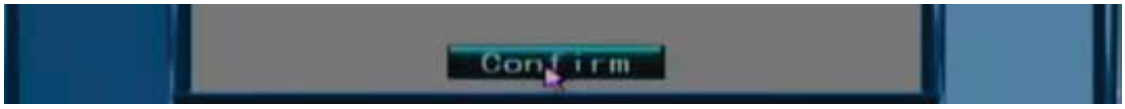
Prerecord: **"√**" indicates that the relevant channel will prerecord for 5 seconds if it has been triggered by activity detected by the sensor.

Email/FTP: **"√**" indicates that the picture of relevant channel will be sent to the pre-registered email address and FTP if it has been triggered by activity detected by the sensor.

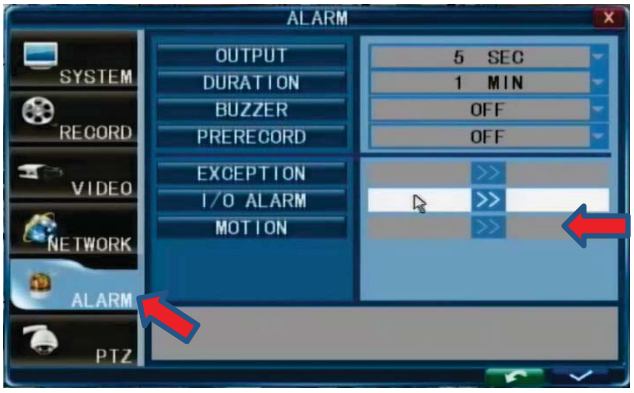
After filling in all appropriate information select the Blue Arrow to save the data



Select Confirm then close the I/O setup window by selecting the



This completes the I/O setup, if triggering by motion alarms continue to the next section.



Select the Alarm tab at the left to access the alarm setup menu then select the arrow next to Motion. Proceed to fill out information for each channel that will be set up.

CHANNEL: In this field, select the channel to be configured.

SWITCH: Each channel has a corresponding channel switch; press “Enter” to turn the motion detection for each channel on or off.

SENSITIVITY: Each channel has a specific sensitivity setting; there are eight levels, with “1” being the highest level of sensitivity; press “Enter” to adjust the level.

MD AREA: Sometimes, it is necessary to have some regions in the camera’s coverage area enabled with the motion detection feature, while other regions in the same coverage area do not require this functionality. This may be handy when, for example, the camera covers the road and an adjoining area. While it would be useful to have the motion detection enabled on the area near the entrance to a building, it would most likely not be helpful to see it triggered every time a car or truck passes by on the nearby road. Each channel has a specific regional motion detecting setting.

To enter the “Regional Setting” menu, move the cursor to “setting” and then press “Enter.” When viewing the selected channel’s coverage area using the MD Area option, the blue area is where motion detection is activated, and transparent block is the area where motion detection is not activated.

Press the direction keys on the remote control to move the cursor along the small pane: the position of cursor is indicated by a green frame. Press “Enter” to select or cancel motion detection in this small pane. When the setup is finished, press”“or right click to return to the MD setup menu and click “” to save the settings.

Note:

Mouse operation: Left-click and drag the frame to set up the region for motion detection.

OUTPUT: **“√**” indicates that an alarm will be activated if it has been triggered by motion.

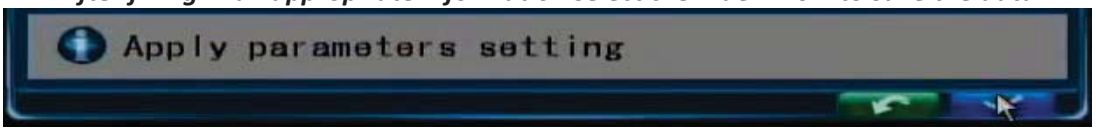
RECORD: **“√**” indicates that the selected channel will record if it has been triggered by motion.
BUZZER: **“√**” indicates that the buzzer will sound if it has been triggered by motion.

Prerecord: **“√**” indicates that the relevant channel will prerecord for 5 seconds if it has been triggered by motion.

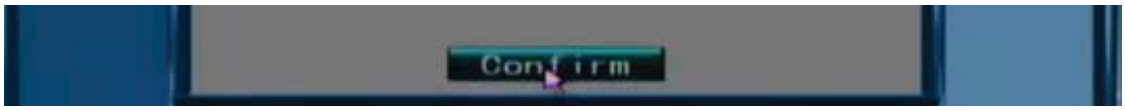
Email/FTP: **“√**” indicates that a picture of selected channel will be sent to the pre-registered email address and FTP if an alarm has been triggered by motion.

Mobile Alarm: “√”indicates that an SMS message will be sent to the pre-registered phone number when a motion-detection alarm has been triggered

After filling in all appropriate information select the Blue Arrow to save the data



Select Confirm then close the Motion setup window by selecting the



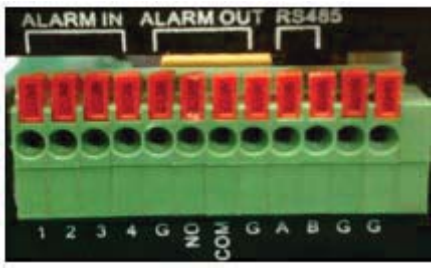
Connecting alarm points

The 8 Channel unit has 4 alarm inputs pins 1-4 and a common ground pin 5 for connection.

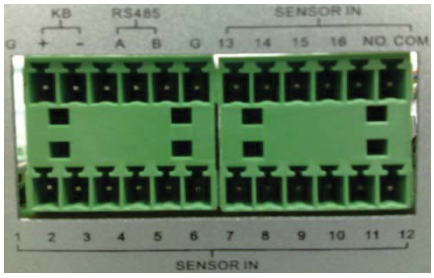
The 16 channel unit has 16 alarm inputs pins 1-16 plus common ground terminal.

Attached trigger points such as door contacts or motion detectors, these will trigger the DVR to tag the video as an event and send your designated email address a message with a .jpg image.

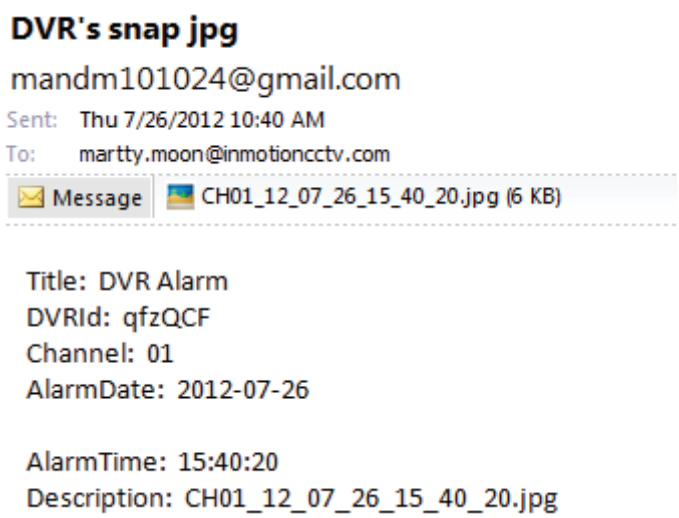
8 Channel



16 Channel



Example email sent after event:



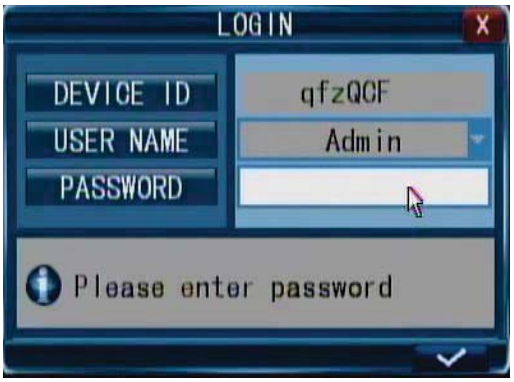
inDVRL400RT Series Recorders

How to set up your DRV to record on Motion Events.

This guide will help you put your inDVR from default Continuous Record in Motion Recording.

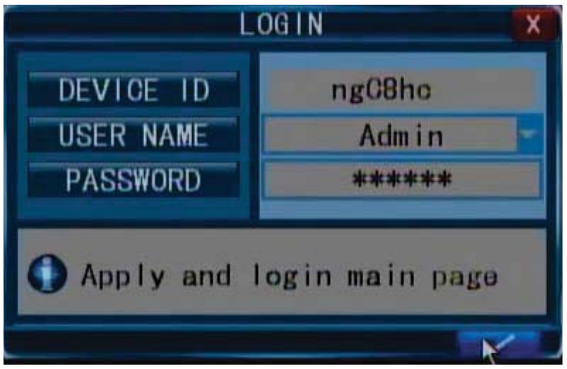
In this example I will put all cameras in Motion Detection. You may also put one camera or multiple cameras in MD.

Log into the Admin Screen



Default Password: 888888

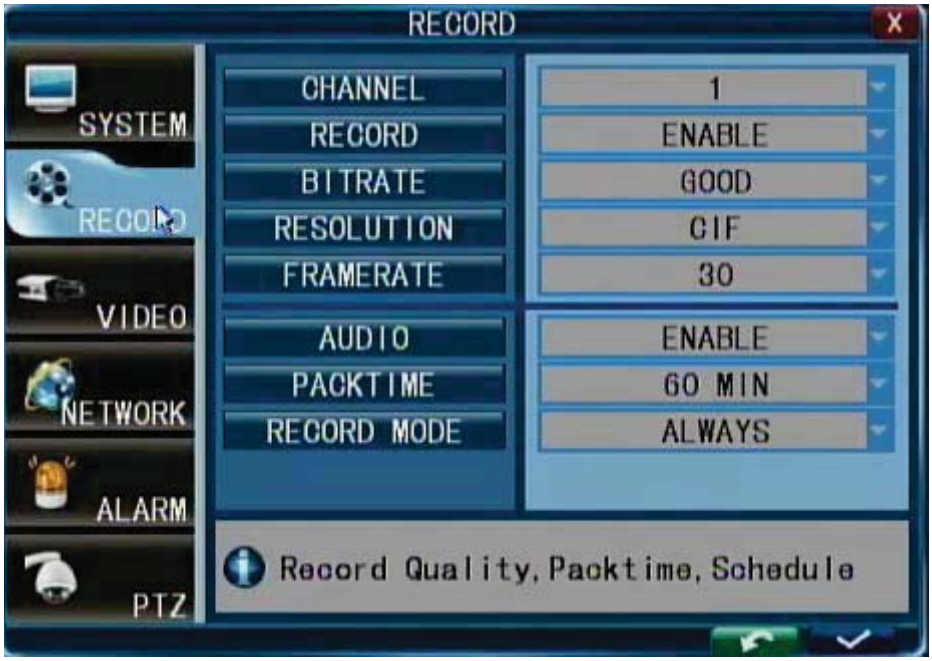
Click Enter



Click Blue Check mark to enter programming

Click Cog Wheel to access menu settings

Click on the RECORD section of Sub-menu:

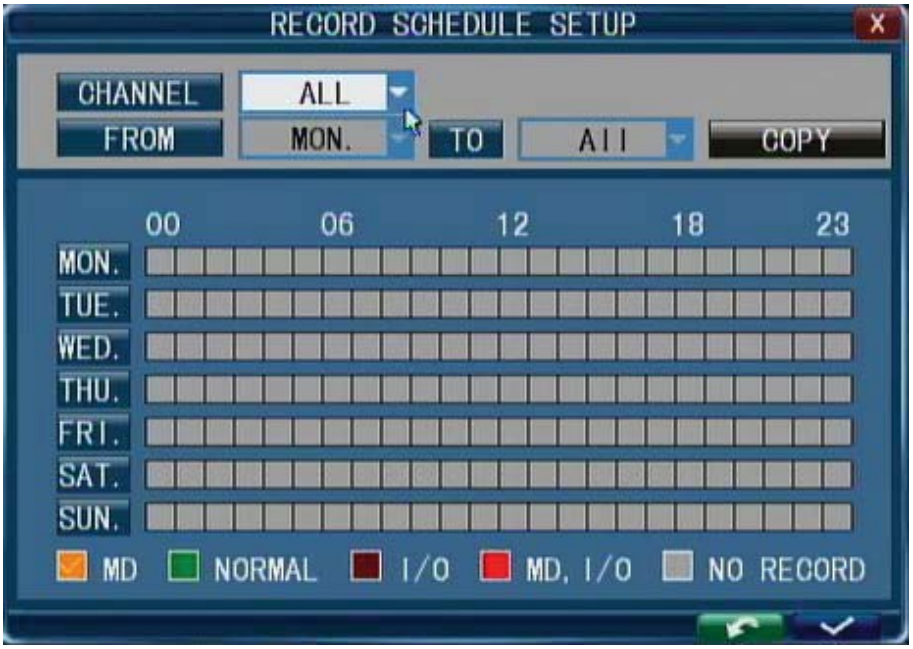


Next to RECORD MODE at the bottom right, click on the drop down arrow next to ALWAYS:

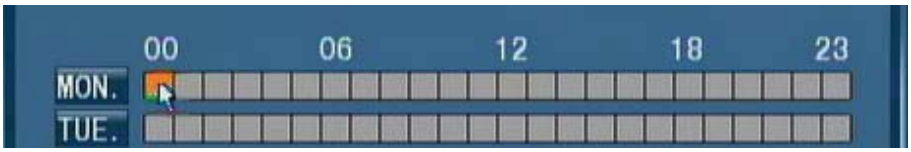
Select SCHEDULE:

Click on the double arrows underneath SCHEDULE:

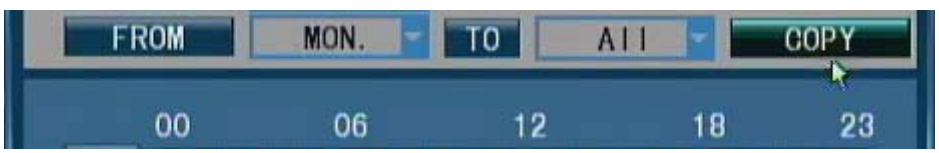
You are now in the Schedule screen, the default is in ALL cameras, use the drop down arrow to change if necessary:



By default the selection is ready for Motion Detection selection, notice the check next to MD above. Now you will click on the 00 hour block next to MON. and drag all the way to the 24 hour block at the end of the day:



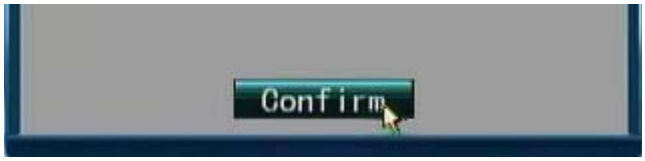
Click on COPY at the top right:



It is already setup to copy from MON to ALL days, so once you select copy, all days in the grid will turn orange allowing motion detection on all hours on all days:

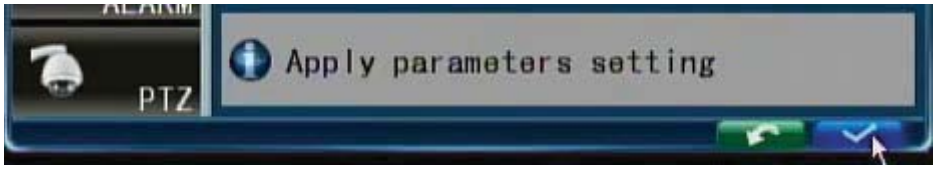
Select the Blue check at the bottom right to apply:

Click on Confirm:

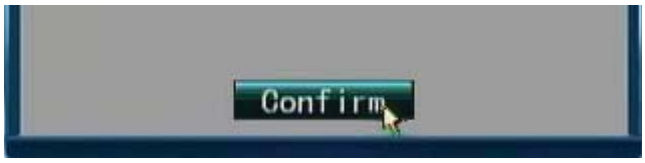


Click on the Red X at the top right:

Click on the Blue check again to APPLY in the RECORD Sub-Menu:



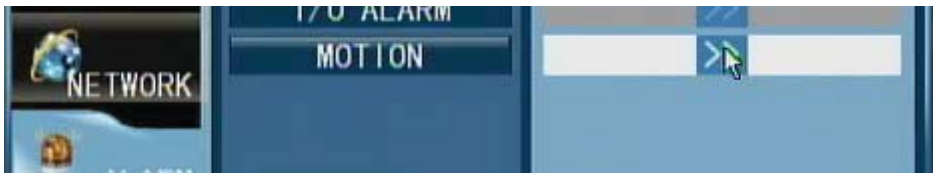
Click on Confirm:



Over to the left, click on ALARM Sub-Menu:

It's always a good idea to use PRERECORD, use the dropdown arrow next to it to change from OFF to ON. PRERECORD is 5 seconds.

Click on the arrows next to MOTION:

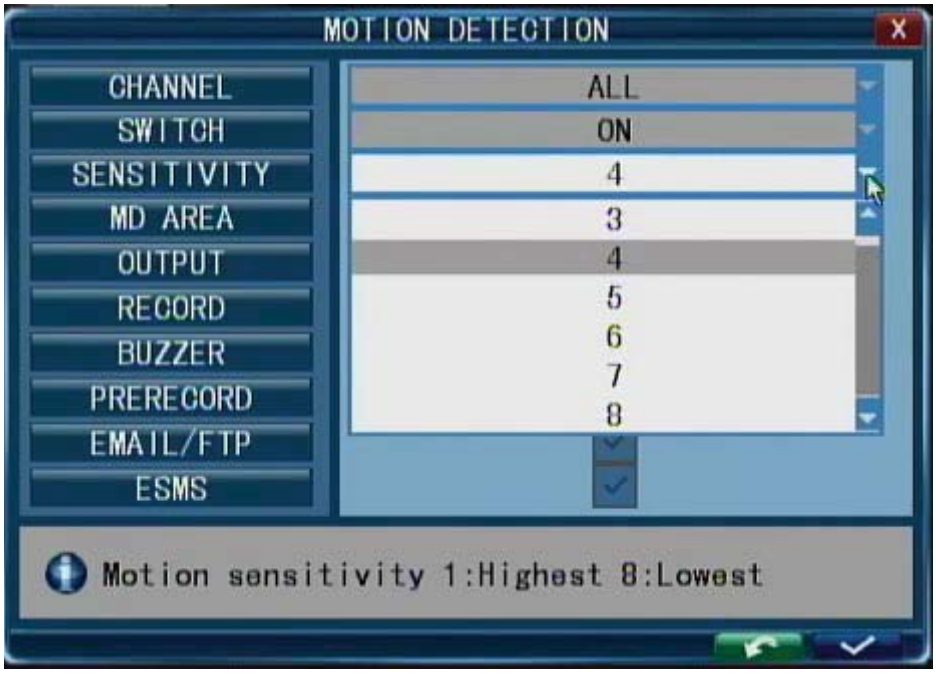


Click on the dropdown arrow next to CHANNEL.

I will scroll down and select ALL for ALL channels:

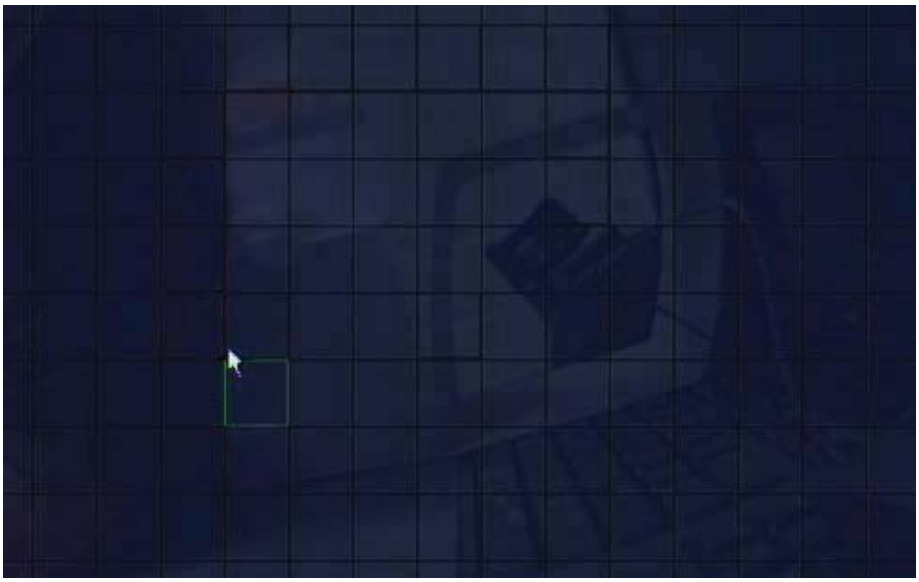
Click on the dropdown arrow next to SWITCH, change from OFF to ON, this puts ALL channels in MOTION DETECTION:

Click on the dropdown arrows next to SENSITIVITY, by default it is at 4 which is mid-range. Notes at the bottom of the screen let you know that 1 is Highest if you wish to change:

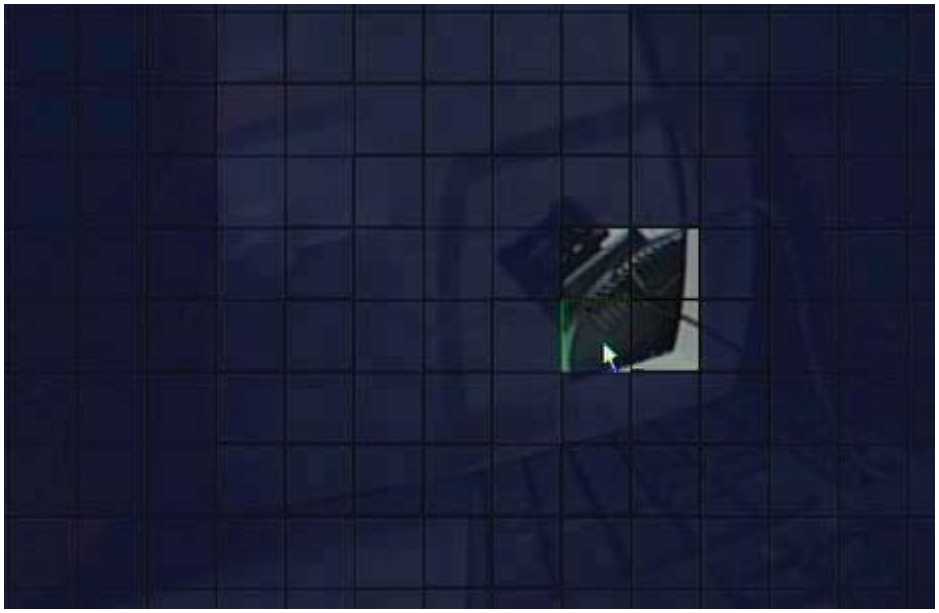


Click on the double arrows next to MOTION:

This is the area where motion is detected. By default motion is detected in ALL areas, all grids are shaded:

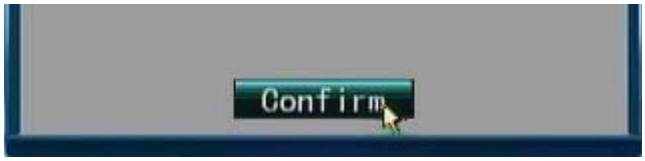


If you do not wish to have motion detected in a certain area, left click on the grid square to "UNSHADE" the area and then right click to back out:

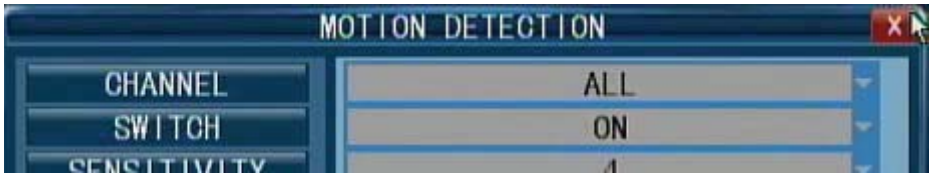


Save your parameters by clicking the Blue check at the bottom:

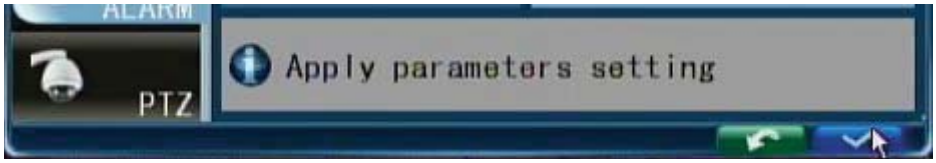
Click on Confirm:



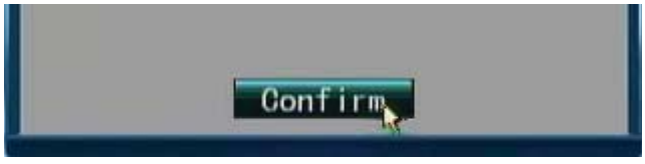
Click the Red X at the top right to back out:



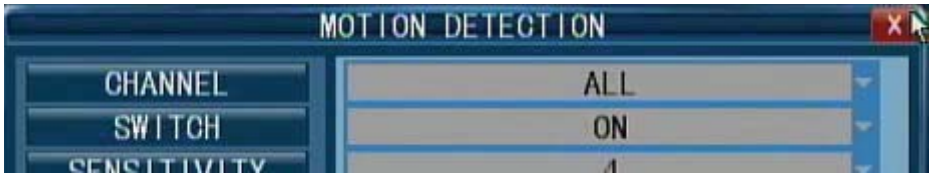
Click the Blue check to Apply again:



Click on Confirm:



Click the Red X at the top right to back out:



In your Live Screen, if you have selected Motion Detection for all channels, you should see a small green motion icon at the lower portion of each channel, once the inDVR has detected motion.

If you have any questions, please feel free to contact us!

inDVRL400RT Series Recorders

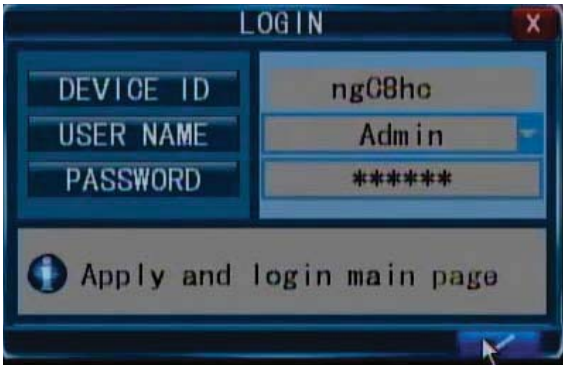
Using Auto ID

This guide will help you setup your inDVR for Local and Remote View using Auto ID. Auto ID can be used when there is no Static external IP address available.

Log into the Admin Screen

Default Password: 888888

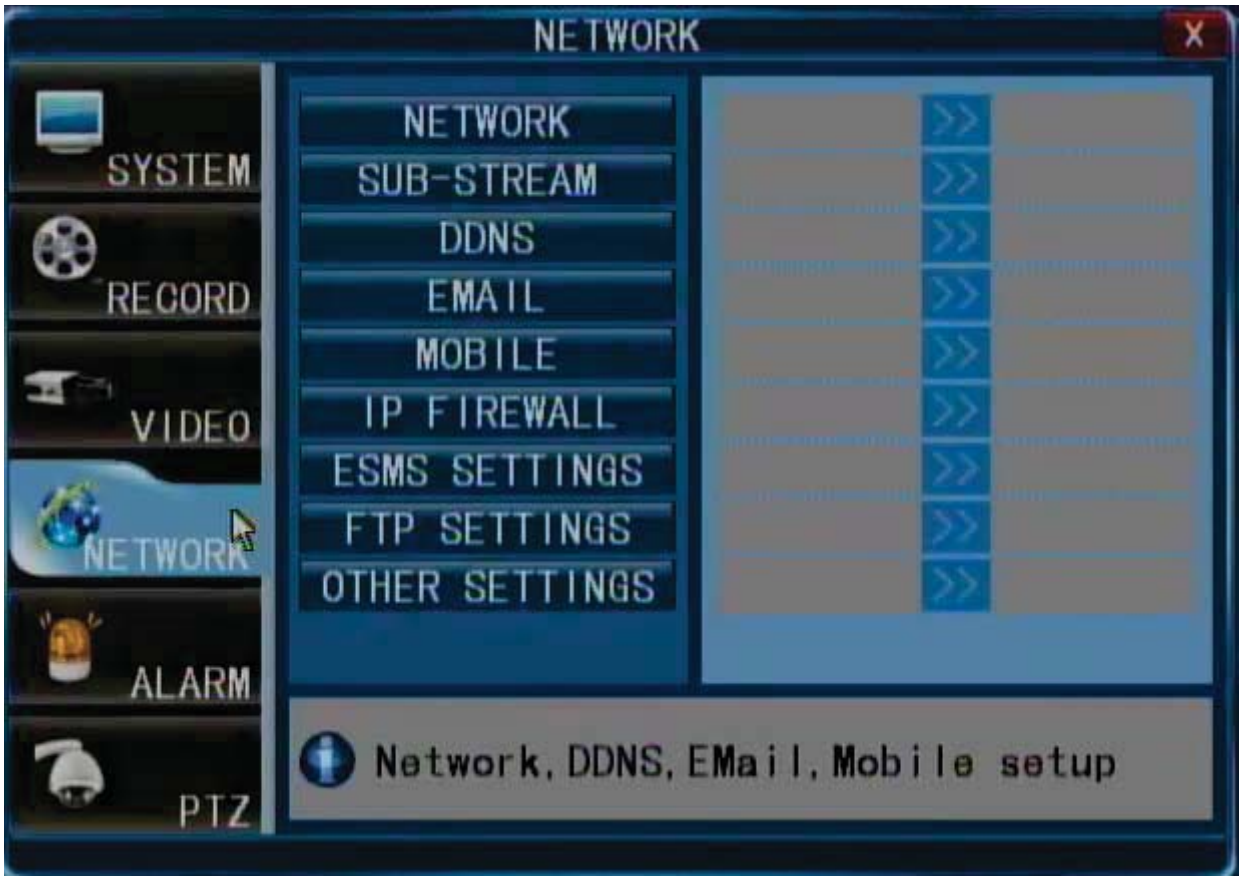
Click Enter



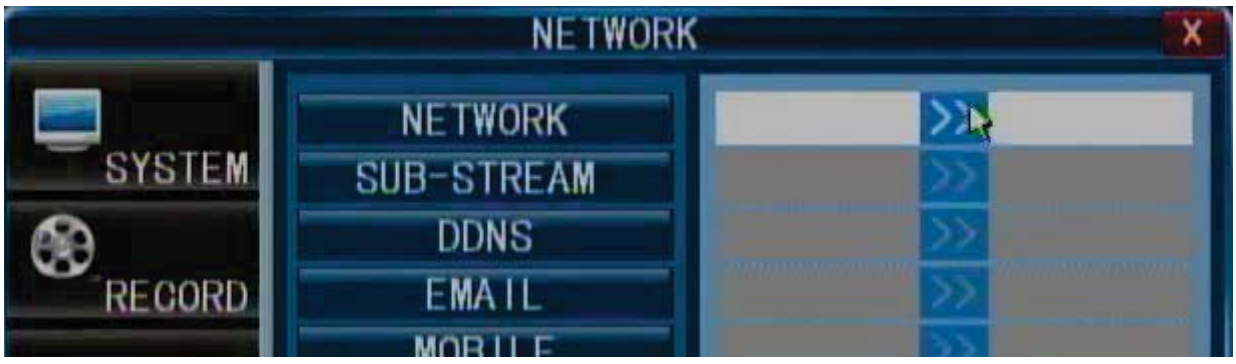
Click Blue Check mark to enter programming

Click Cog Wheel to access menu settings

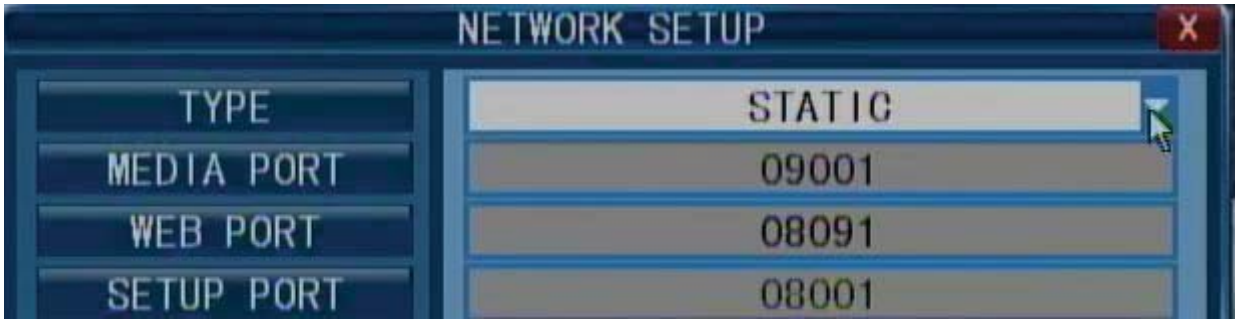
Click on NETWORK in Main Menu:



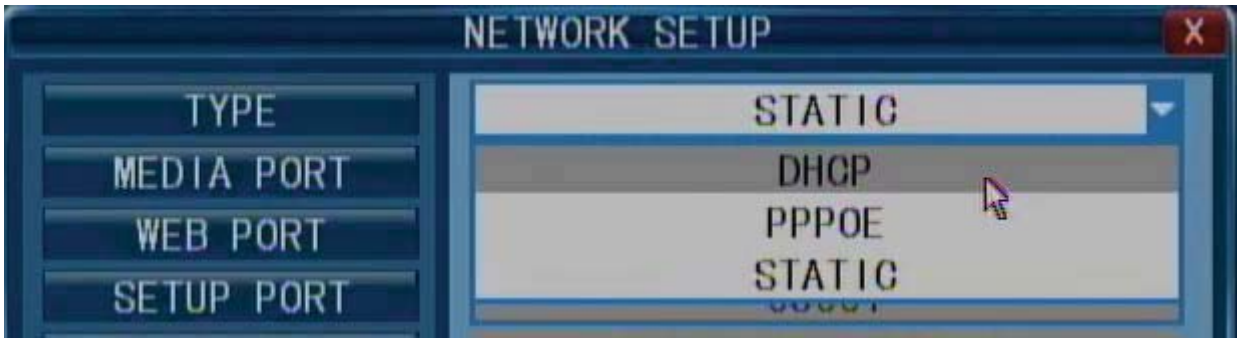
Click on the ARROWS next to NETWORK at top:



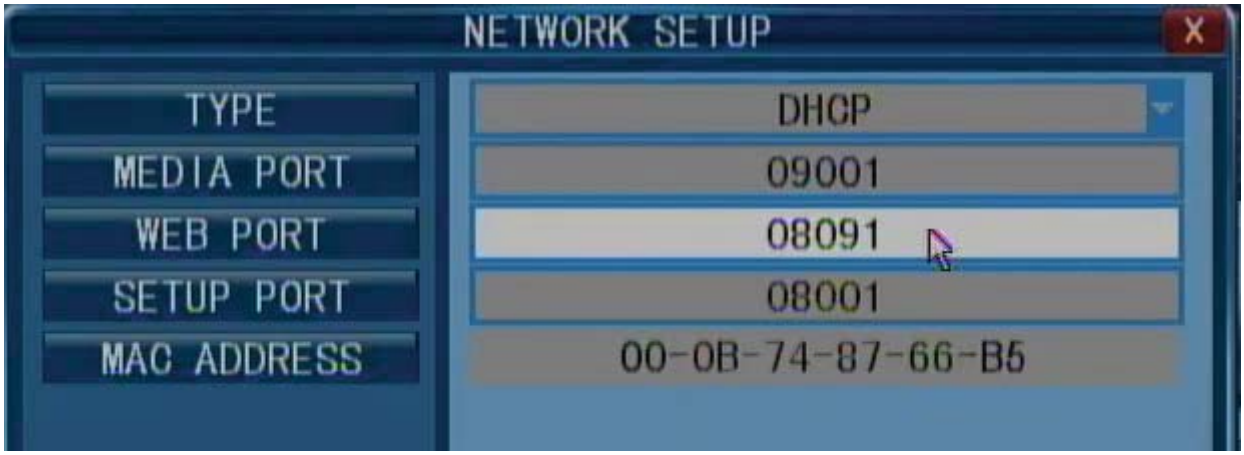
Click on the down arrow next to STATIC at top:



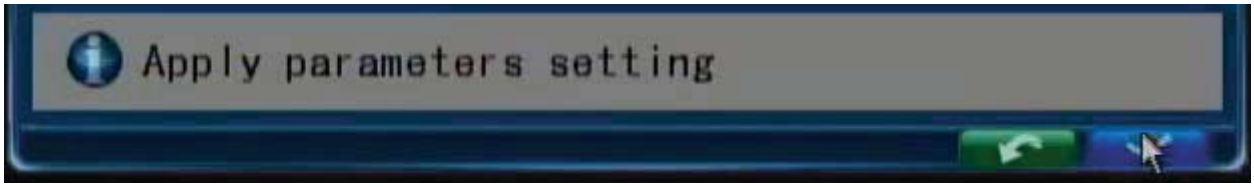
Click on DHCP:



Make special note for ports you have selected. In this example I have changed my ports to MEDIA PORT – 9001, WEB PORT - 8091 and SETUP PORT - 8001. Click in each box and change the numbers if needed. You will need these later for your router:

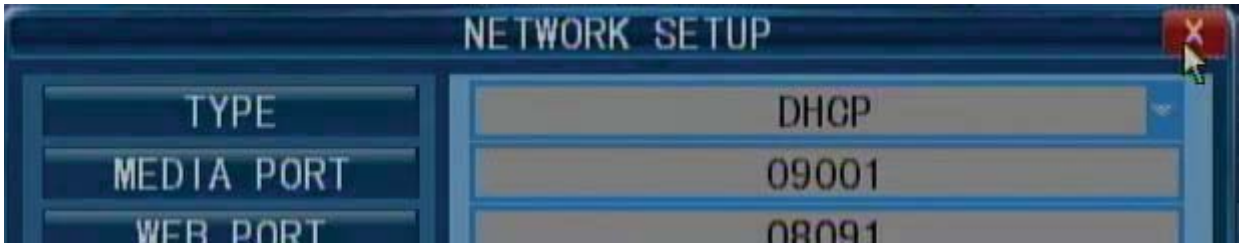


Click the blue check at the bottom to apply:



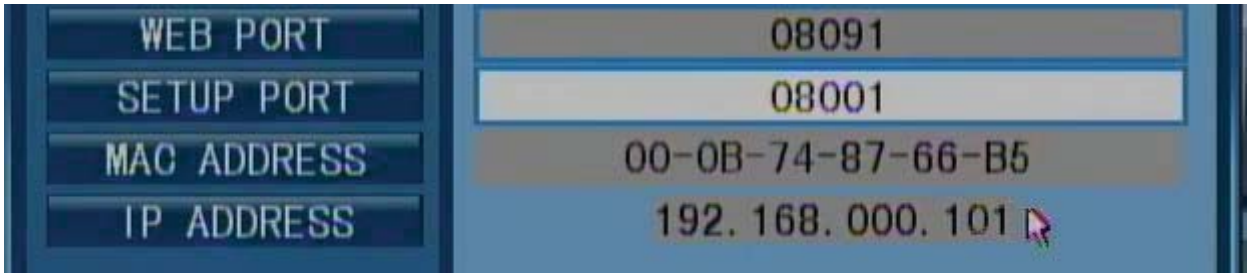
Click CONFIRM:

Click Red X at top to exit:

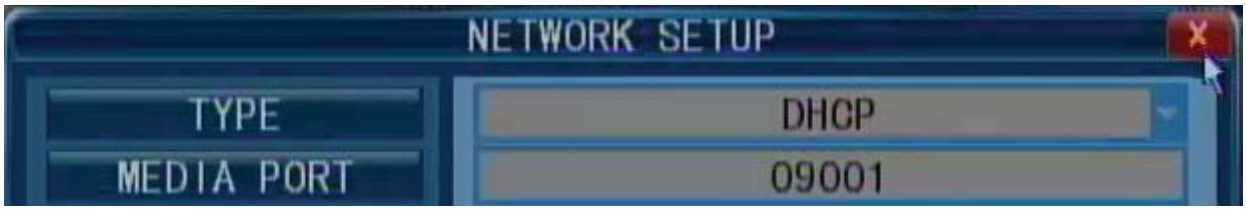


Click the ARROWS next to NETWORK again:

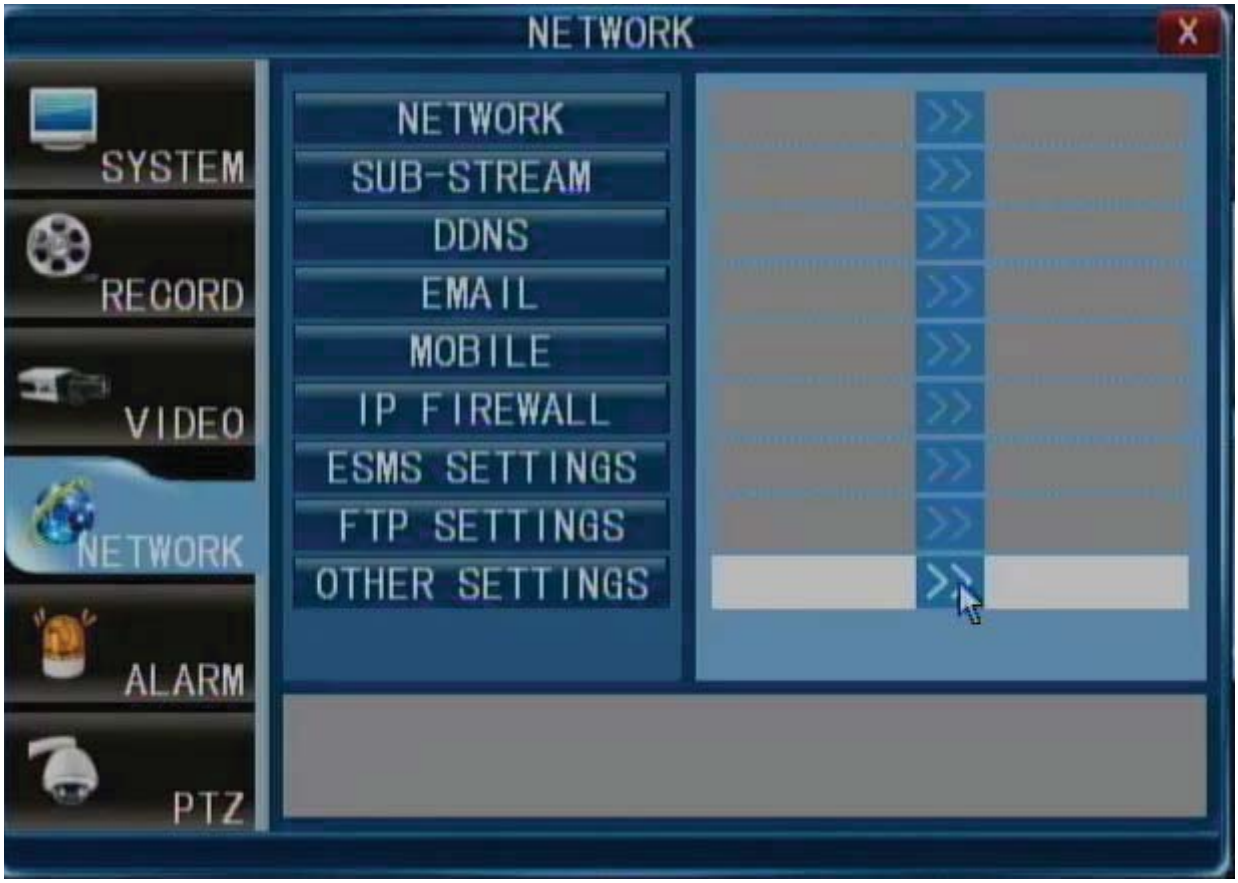
If you have connection with a router, you will be assigned an IP address. Make note of this address, you will need it later:



Click the Red X at the top:



Back in the NETWORK submenu, click on the bottom arrows next to OTHER SETTINGS:

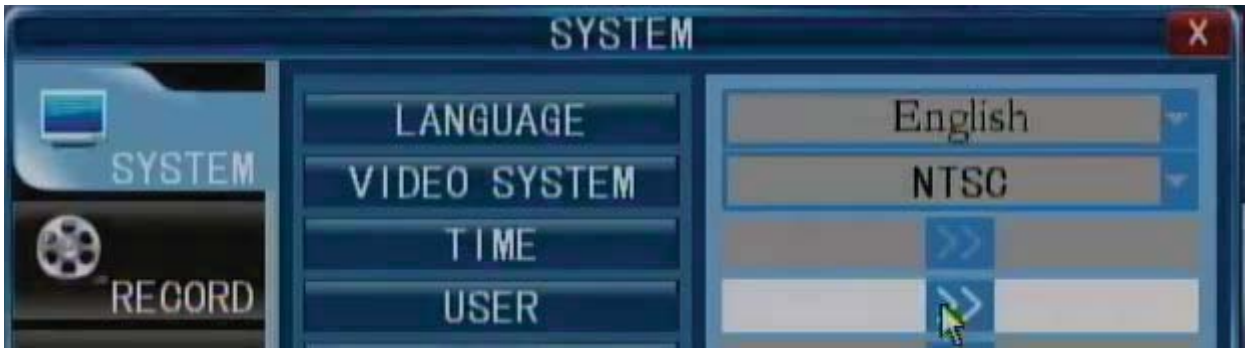


Make sure the AUTO ID is OPEN, should be by default:

Click on Red X to Exit again.

Click on SYSTEM in Main Menu:

Click on ARROWS next to USER:



Make note of your DEVICE ID. You will need this later. Each DEVICE ID unique per inDVR.

Click the Red X out of USER MANAGEMENT and then again on SYSTEM to return to the Main Live Video Screen:

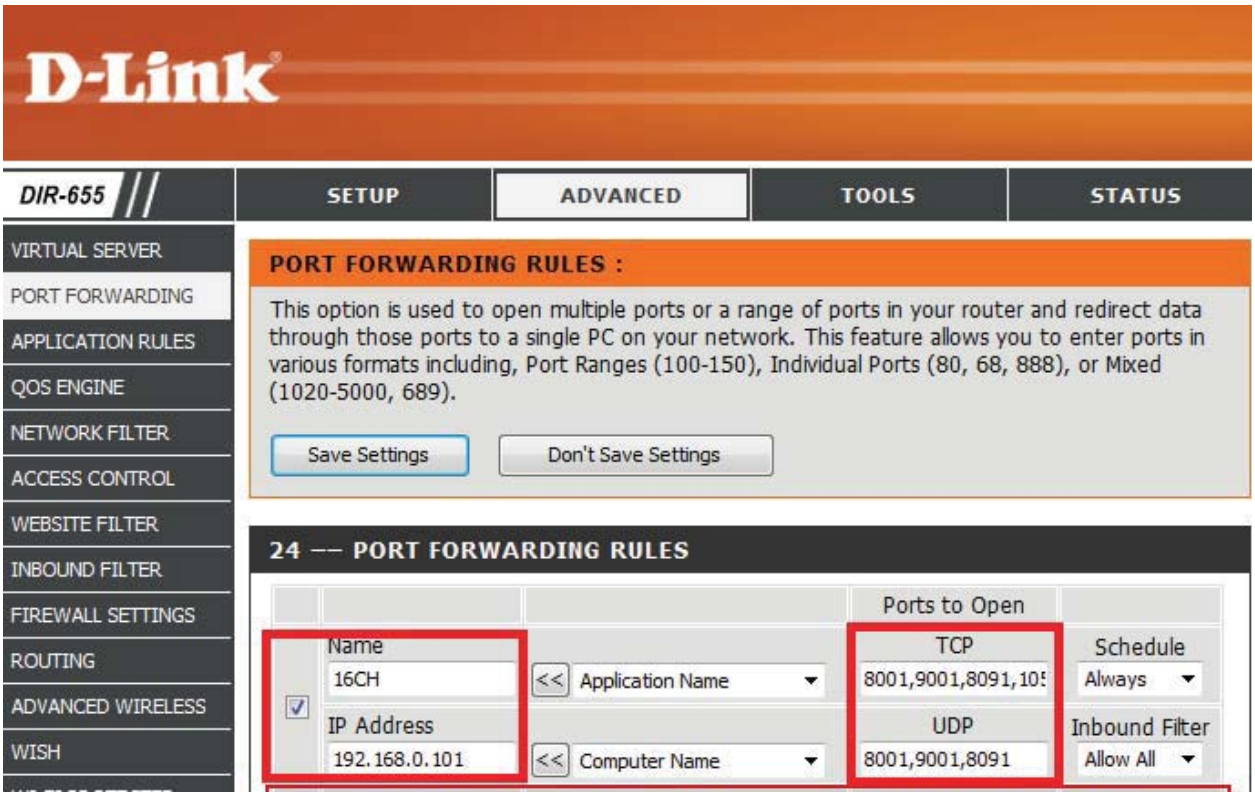
All information in the DVR is set.

Now it's time to enter this information in your router.

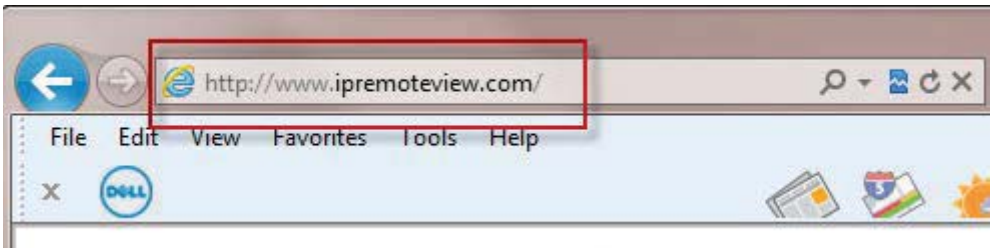
There are many different routers, please visit http://www.portforward.com

Click on the Router Screenshots or Username and Passwords link to get detailed information on your router model.

Each router is slightly different, in my example of the Dlink you can see I have entered the IP address assigned to the DVR which was 192.168.0.101 and entered the ports for forwarding in both TCP and UDP for 8001,8091 and 9001.

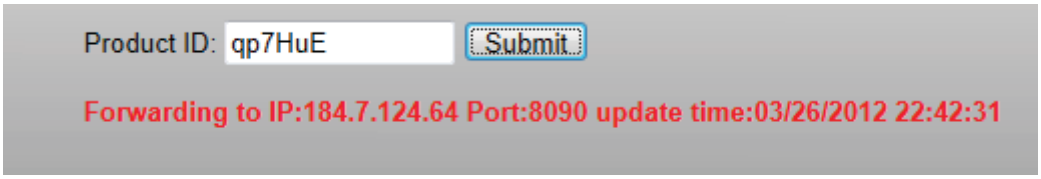


Once your port forwarding has been completed, you can now go to Internet Explorer and type in this address: http://www.ipremoteview.com



You will type in your AUTO ID in this Product ID box and click Submit:

Once you type in your AUTO ID you will get a forwarding message, yours will be unique, the one below is an example only:

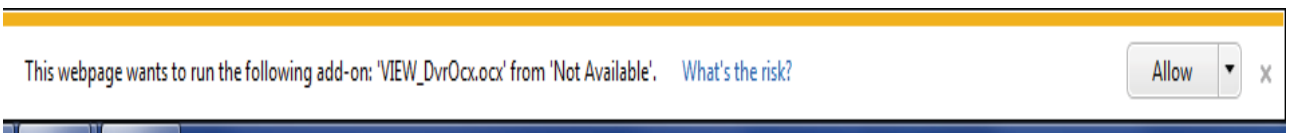


Pay attention to any pop up blocks:

Click on Options for this site and Always Allow:

The page will refresh and you will need to enter your AUTO ID again and click Submit.

You will be redirected to the Main Page for DVR log in. These steps are typical for your initial installation and connection only. The page will ask you at the lower screen to run the.ocx, Click Allow:



After clicking Allow, if using Internet Explorer 8 or above, you will need to click the Compatibility Mode at the top right of the screen:

Compatibility View: websites designed for older browsers will often look better, and problems such as out-of-place menus, images, or text will be corrected.

Your PC will ask you to install the Active X component by JOUTEK ELECTRONICS. Click YES to install.*

After a few moments, depending on download speed you will receive the inMotion login page: Type in your ID and Password to Connect: Default is Admin and 888888

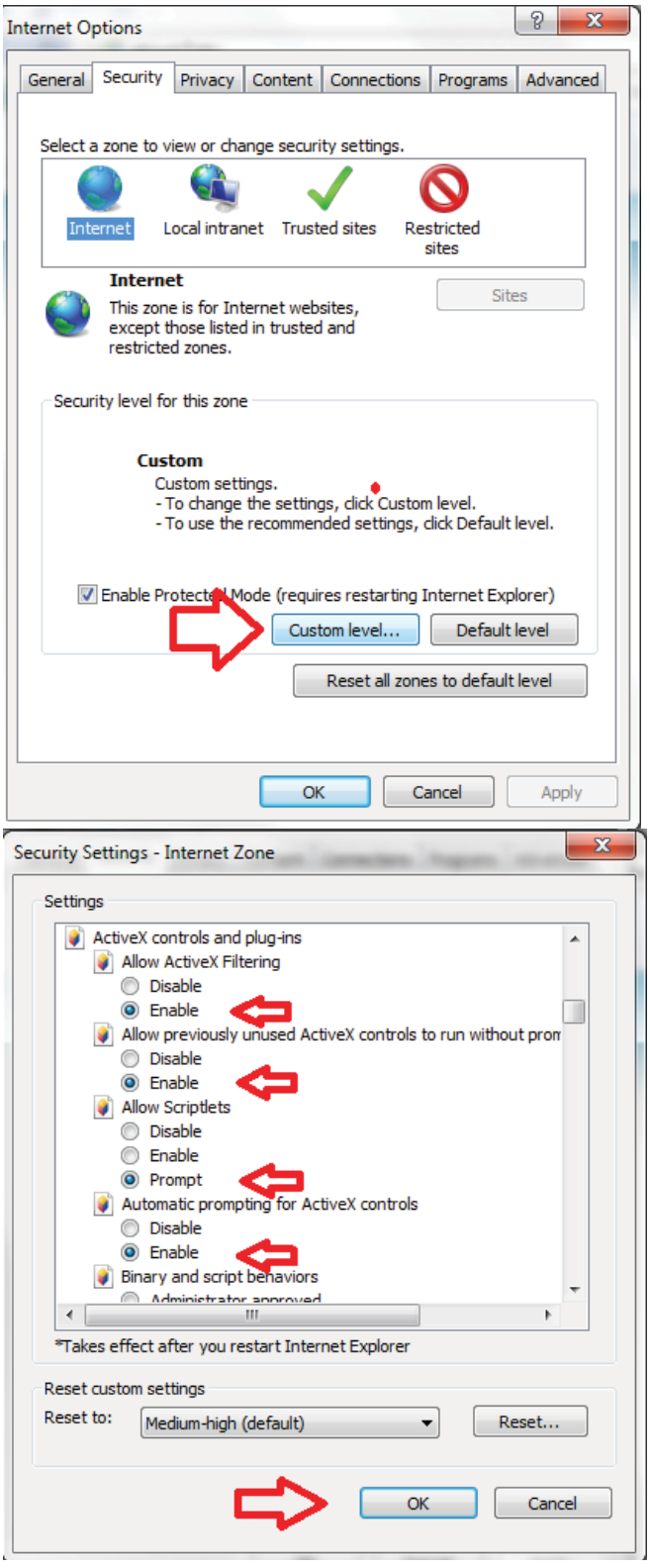
(Capital A in Admin)

Happy Viewing!

***If you do not get the Active X install message, make sure you have your Active X Security feature enabled:**

In Internet Explorer, Go to TOOLS -> INTERNET OPTIONS -> click Tab on SECURITY -> click on CUSTOM LEVEL.

Enable like below:



Your PC should ask if you are sure for risk settings, please click YES.